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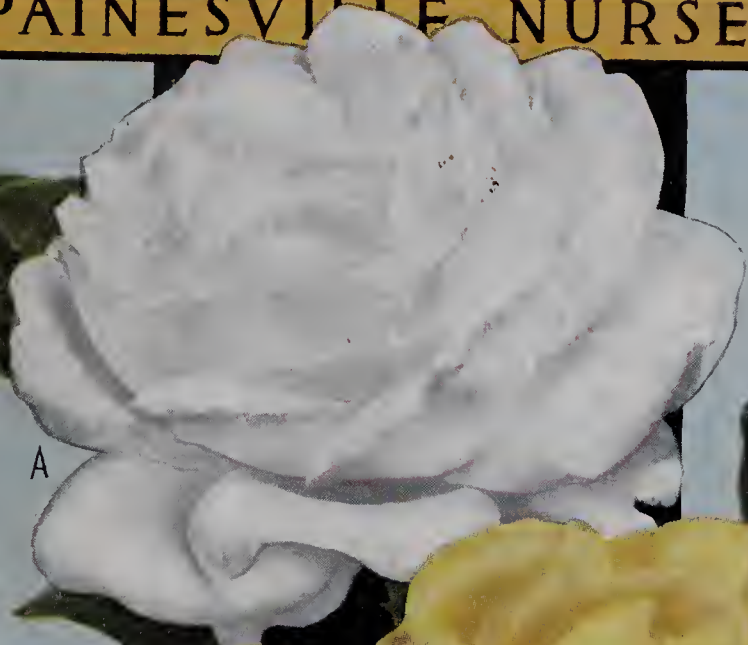


62,67

Spring  
1932

THE STORRS & HARRISON CO.

PAINESVILLE NURSERIES, PAINESVILLE, OHIO.



1932  
COVER SET  
of New  
Everblooming  
ROSES

- A—Marcia Stanhope  
(White)  
B—Etoile de Hollande  
(Red)  
C—Mrs. Erskine Pem-  
broke Thom (Yellow)  
D—President Herbert  
Hoover (Copper)  
E—Dame Edith Helen  
(Pink)

These 5 Roses —  
Listed Value, \$4.65,  
Postpaid to you —

**\$3<sup>50</sup>**

48 Most Popular  
Everblooming Roses  
Now, Each Postpaid **ONLY 55¢**  
See pages 8 and 9

*Lowest prices in our history*  
Vegetable Seed Trials JAN 12 1932





**5  
COLOR COLLECTION**

OF CHOICE EVERBLOOMING ROSES

*A Great Bargain Opportunity*

*Our choice of varieties*

*Labeled to color only. One each:*

**RED, PINK, WHITE, YELLOW, COPPER**

**5 ROSES**

**2-year**

**\$248**

**POSTPAID**

**to you**



# SENSATIONAL REDUCTIONS IN PRICES ON TREES • PLANTS • SEEDS

Take advantage of S. & H. remarkable Low Prices to plant a beautiful outdoor living room.

1854-1932

78 Years of  
**S & H**  
**QUALITY**

**Shall Be  
Maintained**

but—

**Old Prices Are  
SHATTERED**

**HERE and NOW Is Your  
Chance to Plant Cheaply**

of fine nursery stock. At least it has been so in Painesville, where we have had an abundance of rain at desired intervals and hot weather during the growing months—two essential factors. We are thus enabled to offer the best line of nursery stock that we have ever grown and at prices in keeping with the times.

Such attractive rates have not been offered for many years and may never again be available. These prices do not mean a reduction in quality. May we call your attention to our Special Offers on pages 4-7? We have been in business for almost a century and we owe our success to our integrity and to the loyalty of our customers. To these customers and friends we are most grateful and it is our wish that our pleasant relations may continue.

Sincerely yours,

*W. C. Harrison Pres.*

Pres. and Gen. Mgr.  
The Storrs & Harrison Co.



This Trade Mark signifies the highest quality of plants, the standard of the Nursery Industry.



Meet S. & H. Co. at  
**Cleveland  
Flower Show**

**MARCH 12 to 19  
PUBLIC AUDITORIUM**

Flower Shows are designed for public education, inspiration and enjoyment. They illustrate the highest ideals of Flower and Plant development. They show you what is possible of achievement; assemble the choicest, rarest specimens in the country; grant you first look at newest introductions; richly increase your knowledge of such things, — derived from catalogs, books and observation.

The Cleveland Flower Show is equal or superior to any national or other Flower Show. You cannot afford to miss it. Spend two or three days if possible.

Tickets bought from Headquarters (or from us) prior to March 8th, are 50 cts.; but at the door, 75 cts.

**NORTH EXHIBITION HALL  
N. W. Corner Display  
and No. 20**

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*See bargain offers* **PAGE 4**



## FANCY Lawn Specimens



Pyramidal Arbor Vitae

## Evergreen Trees

We submit three of the finest conifers best adapted to lawn use as solitary specimens. Or they would make a fine group. At new cut prices, their value, \$17.25.

**Kosters Blue Spruce**—2 to 2½ ft.  
**Blue Cedar** (Juniper Va. Glauca)—3 to 4 ft.  
**Pyramidal Arbor Vitae**—2½ to 3 ft.

**3** ONE OF EACH AS STATED  
B & B—BY FREIGHT OR EXPRESS—Charges Collect **\$13.50**  
\*OR DOUBLE QUANTITY FOR \$25.00\*

## Deciduous Trees



Flowering Crab Eleyi

We submit for choice, small-tree types; which add color and beauty by bloom and foliage.

**1—Japan Weeping Cherry**—2 yrs.  
**1—Tea's Weeping Mulberry**—2 yrs.  
**1—Flowering Crab Eleyi**—3 to 4 ft.  
**1—Red-flowered Dogwood**—3 to 4 ft.

**4** ONE EACH AS STATED  
(New Catalog Value \$10.25) **\$7.50**  
By Freight or Express—Collect

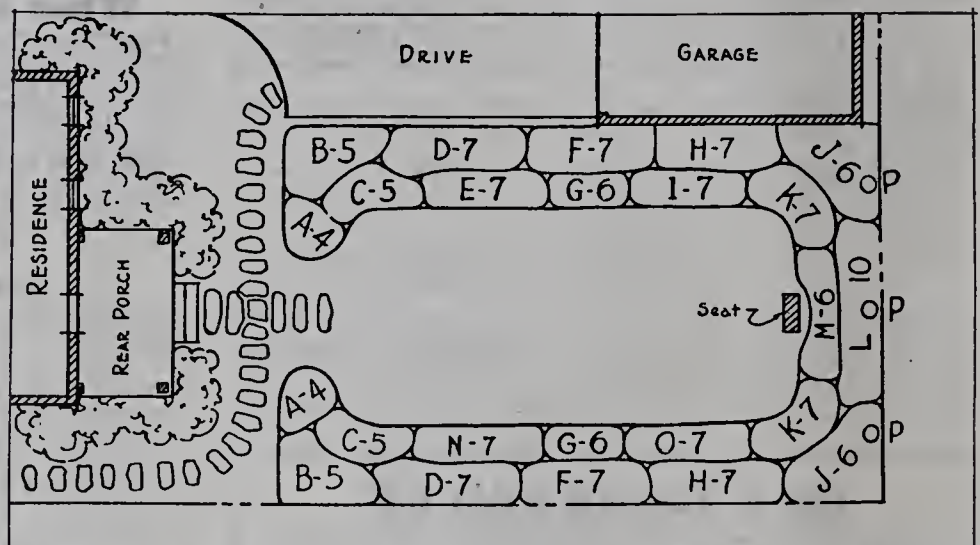
*Choice specimens  
Planting plans*

# TREES and

## The Outdoor Living Room



**E**VEN the very small lot affords some space for the development of an outdoor living room, usually in back of the house, at the rear of the lot. No matter how much space is involved, the ideas for expression are just the same; through planting, we wish to create an attractive outdoor room for the enjoyment of the home owner, his family and friends. Our plan is for a space 70 to 80 feet long by 50 to 60 feet wide.



## S & H Outdoor Living Room Offer [BARGAIN]

- |  |  |
|--|--|
| A - 8 Red Leaf Barberry, 18 to 24"             | J - Garage side—6 Common Purple Lilac, 3 to 4'   |
| B - 10 Spirea Opulifolia Aurea, 3 to 4'        | F - 7 Altheas, assorted, 3 to 4'                 |
| C - 10 Weigela Rosea Nana Var., 2 to 3'        | G - 6 Buddleia Farquhari, 2 year                 |
| D - 14 Weigelas—Assorted, 3 to 4'              | H - 7 Forsythia Intermedia, 3 to 4'              |
| E - 7 Spirea Froebeli, 18 to 24"               | J - 4 French Lilacs, assorted, 3 to 4'           |
| F - Garage side—7 Viburnum Americanum, 3 to 4' | K - 14 Desmodium, 2 year                         |
| G - Garage side—6 Rosa Rugosa Rubra, 2-year    | L - 14 Philadelphia Virginal, 3 to 4'            |
| H - Garage side—7 Forsythia Fortunei, 3 to 4'  | M - 15 Ibolium Privet, 2 to 3'                   |
| I - Garage side—7 Spirea Van Houtte, 2 to 3'   | N - 7 Deutzia Lemoinei, 18 to 24"                |
|  | O - 7 Sorbaria Sorbifolia, 2 to 3'               |
|  | P - 3 Lombardy Poplars, 10 to 12'                |
|  | 160 Shrubs, Catalog Price.....\$70.50            |
| <b>1932</b>                                    | <b>BARGAIN PRICE, FOR THIS COLLECTION</b>        |
|  | By Freight or Express—Not Prepaid <b>\$56.00</b> |

We sold this Outdoor Living Room last year for \$78.00



# SHRUBS *Miscellaneous plans, Special offers*



The President

## DRY ROOT CANNAS

On pages 18 and 19, we list a splendid selection Cannas, to be distributed after May 1st as started plants from 3 inch pots.

Below is a bargain offer of "Dry Roots"—ship at once—for The South.

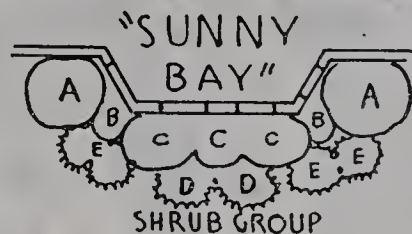
**Eureka**—white shaded cream  
**Hungaria**—bright rose pink  
**King Humbert**—black leaf; red  
**Queen Helen**—gold, spotted scarlet

**The Gem**—straw color, rose flecked

**The President**—most brilliant red

**12 TWO OF EACH POSTPAID \$1.00**  
**OR**  
**36 SIX OF EACH POSTPAID \$2.75**

## "SUNNY BAY" Shrub Plan

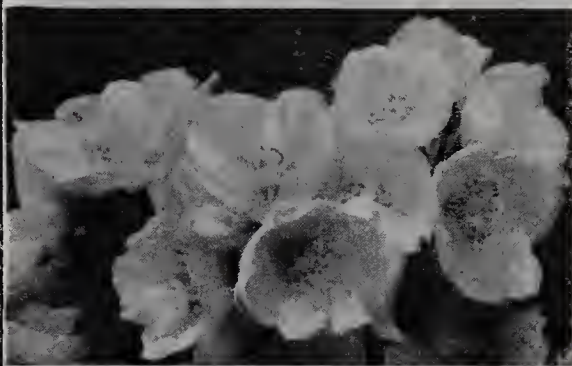


Key No.

- A 2 Golden Syringa. 18 to 24 inches.
- B 2 Desmodium. 2 year.
- C 3 Deutzia Lemoinei. 18 to 24 inches.
- D 2 Red Barberry. 12 to 15 inches.
- E 4 Barberry Thunbergi. 15 to 18 inches.

Complete planting  
(13 Shrubs as stated)~  
By express, not prepaid,

Value, \$5.35  
**\$4.55**



## MODERN MOCKORANGE

To introduce the best of the newer French Philadelphus introductions, we offer these five choice, distinct varieties,—18 to 24 inch grade. All medium height.

- Aureus**—(Golden Syringa)
- Glacier**—double; cream white
- Ophelia**—crinkly, double
- Romeo**—purple eyed
- Virginal**—sweetest of all

**5 ONE EACH (5 SHRUBS) BY MAIL POSTPAID \$2.25**

## Hardy Azaleas

MAIL SIZE

Buy 'em cheap, Watch 'em grow

A good collection of Azaleas in the average saleable sizes represents quite a financial investment. Fool the high cost of loving these delightful shrubs, by adopting them in a younger stage—at low cost. You'll be surprised how quickly they mature. We offer you:

- Arborescens**—white tinged pink
- Kaempferi**—fire red to crimson
- Mollis**—yellow salmon shades
- Nudiflora**—pink; April—May
- Viscosa**—White tinged rose

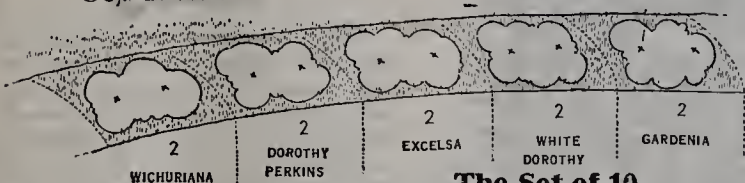
**Heavy Mail Size** ONE EACH (5 Plants) **\$3.25**  
or  
THREE EACH (15 Plants) All Postpaid **\$7.80**



Azalea Mollis

## Two Ways Hardy Climbing Roses To Use

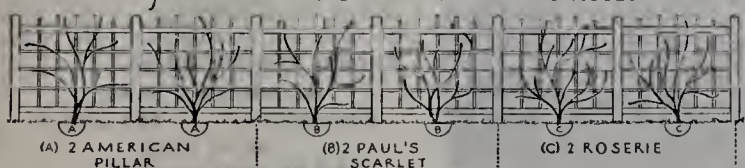
30¢ EMBANKMENT COVER



The Set of 10  
2 Year Field-Grown Roses

Mailed Free for **\$3.70**

30¢ FENCE ADORNMENT PILLAR ROSES



The Set of 6 Hardy 2 Yr. Field-Grown Roses

Mailed Free for **\$2.15**



Buddella Magnifica

## THREE CLOSE FRIENDS

We offer these together, because they make such a fine two-row group—Spirea at back; Butterfly Bush at each end and Barberry in Center foreground.

- 10—Spirea Van Houtte** 2—3 ft.
- 4—Butterfly Bush**—Asst., 2 year
- 5—Red-Lf. Barberry**, 15-18 inch.

The 19 Shrubs, Value \$5.85—

By Express Collect:

**\$4.48**



# Hardy GARDEN

## "Imperator"

### THE SENSATIONAL NEW ENGLISH DOUBLE Hollyhock

A new English introduction of stately proportions and exquisite coloring. The plant is uniquely branching, so that many lateral flower sprays are available for cutting, ideal deep vase subjects. The multitudinous flowers attain 4 to 7 inches in width, similar in a large way to the Crested Begonias. The bottom strata of petals is an unbroken foundation, although sharply fluted, and deeply fringed at the rims; the center a distinct, high-built close-petaled rosette of invariably different color. Think of this effect; a rosette of cream with roseate shadows, set on a cerise-salmon foundation; or gilded rose centering a fluffy expanse of shell pink; or bright canary nested on soft buff with rose suffusion. Many other delightful combinations occur, so that a liberal planting should reveal a widely various expression of delicate pastel shades.

**Mixed.** 3—70 cts.; doz.—\$2.50; 100—\$15.00.



### Wrexham "HOLLYHOCK STRAIN" Delphiniums

In direct comparison with other choice English strains, we believe this is the most effective and satisfactory. Four to six feet in height, with flower heads of abnormal length and thickness. In England the choicest and most beautiful flowers are chosen for the seed, each pound being equally balanced for distinct coloring or unique marking; representing the pick of the Wrexham fields. The most distinguishing feature of this strain is the great size of the florets, and their peculiar setting along the spike, so like the Hollyhock; with great variation in colors and color combinations. We offer 1-year field grown plants on page 40; but can afford to make the following unique offer at a lower price.

**Strong POT PLANTS**  
raised from new imported seed  
3 for 75 cts.  
12 for \$2.40  
25 for \$3.75  
All by mail postpaid



The Magnificent Regal Lily



### HOLLYHOCK SET

We will mail postpaid  
10 New Imperator  
and 15 (3 each  
in 5 colors) **\$3.70**  
Assorted Doubles

## Regal Lily

This wonderful lily continues to be the most fascinating and popular item chosen from among all the hardy garden bulbs. Now that stock has become more plentiful, the price has dropped comparatively low; and gardeners are asking for larger bulbs than the original 4 to 5 inch circumference size which was considered good enough for planting—when stock was scarce and the novelty price was high. We are regularly listing three large sizes in the Lily Section; but on this page give you a **Special Bargain Offer:**

#### BLOOMING SIZE:

6 for 90 cts. 16 for \$1.90  
25 for \$3.75  
All by mail postpaid.

**See Larger Sizes  
Offered on Page 47**

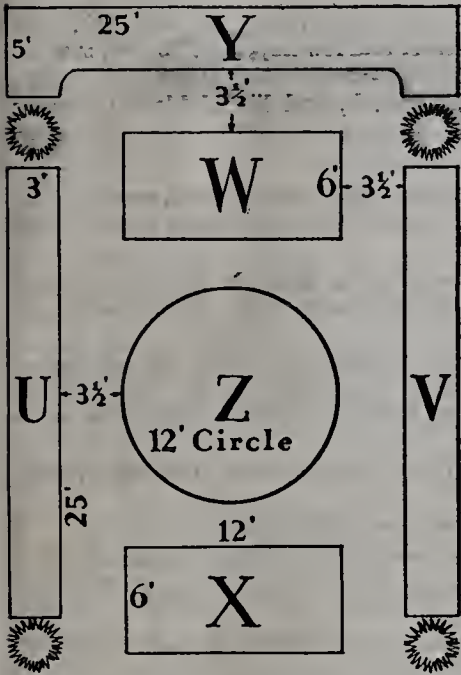


# S&H PERENNIAL BEDS, BORDERS AND PLANS

## “GOOD LUCK” GARDEN

Selection and arrangement of perennials for any size or shape of bed, whether along the lot lines or in smaller interior garden groups, is easy enough if the one who lays out the beds is familiar with the material and knows how to distribute them for height, season and color. We are offering you on this page a really helpful service. Each bed is independent of all others. We also group them in pairs and combine all into one complete garden of a size which can be set down bodily into most any back yard.

The fuzzy characters on this design merely suggest your opportunity for using slender evergreens or shrubs.



## 62 Varieties of HARDY PERENNIALS

See planting detail of units, at right.

If you want a lovely flower garden planned by an expert landscape designer, this “Good Luck” garden will be just the thing. Planned to fill a space 25x37 feet, it offers enough balanced combinations of color to provide pleasing blooms the season through. 62 varieties are used in its makeup. It may be purchased in whole or in part, as the beds are offered separately to the right. Easy to lay out.

Makeup of complete offer is as follows:

U.	Plants..32;	Value..\$ 6.50;	Offer..\$ 5.55
V.	“ ..32;	“ .. 6.90;	“ .. 5.90
W.	“ ..54;	“ .. 11.05;	“ .. 9.40
X.	“ ..62;	“ .. 11.55;	“ .. 9.85
Y.	“ ..39;	“ .. 7.50;	“ .. 6.40
Z.	“ ..53;	“ .. 8.85;	“ .. 7.55

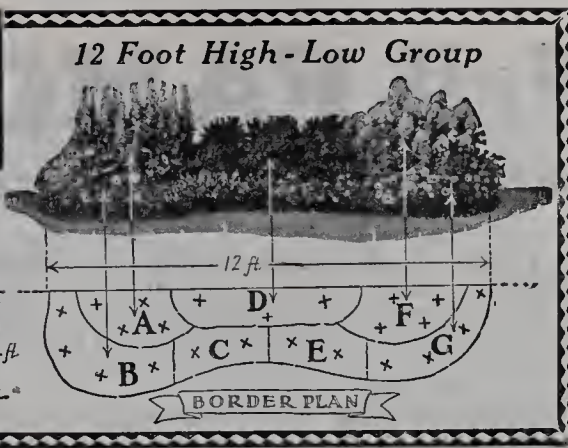
Unit  
Total Plants 272; Value \$52.35; Offers \$44.65  
This Complete Garden—25x37 feet  
The 272 Plants  
By Express, collect..... **\$40.00**

**PLAN** Enough to plant a border 4 feet wide and 12 feet long.

Key	No.	Special Price
A	4	Hollyhocks.....
B	4	Shasta Daisies.....
C	3	Coreopsis.....
D	3	Phlox.....
E	4	Platycodon Mariesi
F	4	Foxgloves.....
G	4	Gaillardia.....

Regular catalog price...\$4.10

**Postpaid \$3.50**



**U A PERENNIAL LINE BORDER** 25 feet-long 3 feet wide

A	C	I	I	D	F
B	E	J	J	E	G

32 Plants (Value \$6.50) **\$5.55**  
By mail postpaid....

**V A PERENNIAL LINE BORDER** 25 feet long 3 feet wide

K	M	S	S	M	P
L	N	T	T	O	Q

32 Plants (Value \$6.90) **\$5.90**  
By mail postpaid..

The Two Beds—U and V—by mail postpaid, for \$10.00

**W A GOOD BED OF PERENNIALS** 12 feet long 6 feet wide

C	D	E
A	H	I
F	D	G

**W BED OFFER**  
54 Plants (Value \$11.05)  
By mail postpaid  
**\$9.40**

**X ANOTHER BED OF PERENNIALS** 12 feet long 6 feet wide

M	N	O
K	R	S
P	N	Q

**X BED OFFER**  
62 Plants (Value \$11.55)  
By mail postpaid  
**\$9.85**

The Two Beds—W and X—by express collect, for \$17.00

**Z CIRCULAR BED OF PERENNIALS** 12 feet in diameter

53 Plants (Value \$8.85)  
By mail postpaid **\$7.55**

**Y REAR LINE BORDER PERENNIAL GARDEN** 25 feet long 5 feet wide

A	B	C	D	E	B	A
F	L	H	J	K	J	I
G						G

39 Plants (Value \$7.50)  
By mail postpaid..... **\$6.40**

Key	No.	Variety
A	3	Anemone, Pink
B	3	Physostegia Vivid
C	3	Delphinium Belladonna
D	3	“ Bellamosa
E	6	Gaillardia Grandiflora
F	3	Pyrethrum Roseum
G	3	Daisy, King Edward VII
H	4	Phlox—assorted
I	2	Lily, Elegans
J	2	Lily, Regale—5-6 in.

Key	No.	Variety
K	3	Aquilegia Caerulea
L	3	Dicentra Eximia
M	6	Coreopsis Grandiflora
N	3	Monarda Cambridge
O	3	Scarlet
P	3	Veronica Longifolia Sub.
Q	3	Campanula Media—asst.
R	3	Daisy, Mayflowering
S	4	Phlox—assorted
T	2	Lily, Tiger
	2	Lily, Longiflorum

Key	No.	Variety
A	6	Dianthus Deltoides
B	6	Cerastium Tomentosum
C	3	Alyssum Argenteum
D	8	Tritoma Pfitzeri
E	3	Heuchera Brizoides
F	3	Geum, Lady Stratheden
G	3	Chrys., Glory of 7 Oaks
H	9	Pyrethrum Roseum
I	4	Gypsophila Bristol Fairy
J	9	Lupines—assorted

Key	No.	Variety
K	6	Plumbago Larpentae
L	12	Violas—assorted
M	3	Chrys., Pink Cushion
N	8	Delphinium Chinense
O	3	Sidalcea Rosy Gem
P	3	Asclepias Tuberosa
Q	3	Centaurea Montana
R	9	Aquilegia, Long Spur Hyb.
S	6	Artemisia Silver King
T	9	Doronicum Excelsum

Key	No.	Variety
A	1	Bocconia Cordata
B	4	Lythrum Roseum
C	4	Linum Perenne
D	6	Aquilegias—Dobbie's
E	4	Gaillardia Grandiflora
F	4	Coreopsis Grandiflora
G	4	Gypsophila Paniculata
H	6	Lychnis Chalcidonica
I	4	Shasta Daisy—Speaker
J	4	Achillea Boule de Neige
K	6	Carnation Crimson King
L	6	Platycodon Mariesi

Key	No.	Variety
A	2	Helenium Riverton Gem
B	2	Anchusa Dropmore
C	3	Shirley Hybrid Foxgloves
D	6	Double Hollyhocks—asst.
E	2	Helianthus Multiflorus
F	4	Oriental Poppy
G	6	Euphorbia Corollata
H	3	Sedum Spectabilis
I	3	“ Brilliant
J	4	Statice Latifolia
K	2	Thalictrum Dipterocarpum
L	2	Liatri Pycnostachya



# S&H FAMOUS-HARDY TWO YEAR

## At New Low Prices to Meet Today's Market

**H**ERE is good news for Rose Growers! 60 Acres of the finest roses ever grown out-doors—one of the very largest and most complete stocks in America—now offered to you at the lowest prices in ten years! Rare varieties as well as the more common roses are all included in these drastic price reductions.

Our Roses are all **hardy, two-year, field-grown plants**, full of vigor. Stronger roots and stronger tops make for better blooms and more of them. Our 1932 stock is as fine as ever in our history. You are bound to be impressed by the astounding slash in Rose prices all down the line. We have done this deliberately to move our stock during hard times. But we want you to know positively that we will not cut quality. These new low prices are all to your gain—we take the loss.

Complying with the often expressed wishes of many patrons, who desire their Rose bushes cut back properly, all ready to plant, we furnish **all Dormant Bush Roses to you whether by mail or express, trimmed ready to plant.**

### EVERBLOOMING ROSES

A popular designation for **Tea, Hybrid Tea and Perpetiana** classes which habitually bloom without cessation from June until Autumn frosts. The range of coloring and type is wonderfully extensive; and you may choose from our lists practically every distinct shade which is desirable. We take pleasure in presenting our trade this spring, a great many high class introductions which are strictly up-to-date; among them being the best of the new yellow and orange creations.

**General List—New and Old Together**



Elvira Aramayo

**This Group of 48 Choice Varieties All Postpaid**

*Your choice of any Rose on these two pages* **FOR ONLY 55¢ each POST PAID**  
ONE PRICE REGARDLESS OF QUANTITY



**Betty Uprichard.** A charming type with rolling edges, a blend of deep toned carmine with coppery orange; the interior being mostly a delicate salmon.

**Betty.** Exquisite copper-pink buds, opening to buff-pink.

**Brlarcliff.** A bright, clear, Columbia rose-pink, with high-pointed center and few imperfect flowers, sweetly scented.

**Chas. K. Douglas.** Vigorous upright growth, and liberal bloom; flaming scarlet flushed with velvety crimson.

**Columbia.** A beautiful, true deep enduring pink.

**Edel.** The flowers are of noble size, deep, close-centered, with many petals; ivory at base but otherwise purest white, the broad roll of edges frost-like.

**Eldorado.** A true yellow even to the end, having diminished in strength uniformly, from the first richness of its red-orange bud. Fully double, of pleasing form.

**Elvira Aramayo.** A flaming, arresting, "Indian red" color; an association of orange-carmine, with tones of madder, salmon, and pink. The buds are long and pointed, opening into large flowers of cactus shape with some quilled petals; a showy garden type.

**Etolle de France.** Velvety garnet-red cup, with center of vivid cerise; large and full, with marked imbrications.

**Francis Scott Key.** High-centered; red, shading to cerise.

**General MacArthur.** Dazzling crimson-scarlet exquisitely perfumed.

**General-Superior A. Janssen.** Glowing, deep carmine-red; large, full, fragrant and continuous bloom.

**Geo. C. Waud.** Of heavy substance and retained fullness, its color a brilliant vermilion overcast by orange.

**Gruss an Teplitz.** Tall, showy bedder, with reddish stems, and unlimited bloom; intense velvety crimson-red.



Columbia



Chas. K. Douglas

New customers will be pleasantly surprised with the size and quality of our rose bushes—at such low prices.



# FIELD GROWN ROSES

## "48" EVERBLOOMING ROSES—Contd.

### All Roses on These Two Pages POSTPAID

- Harry Kirke** (Tea). Very fragrant; deep sulphur yellow, lighter at the edges.
- Independence Day**. Thin petalage and moderate size are amply compensated by extreme production, the bush being rarely without a good show of both brilliant orange-pink flowers and flaming copper buds.
- John C. Mensing**. A lovely shade of deep, bright rose-pink, favoring the Ophelia type in construction and habit. An excellent forcing kind with long buds, perfect flowers and sweet fragrance.
- Jonkheer J. L. Mock**. Big, full flowers distinctively shaped like an overflowing cup. Bright, cherry-carmine, the interior faced with silver-white, which the broad roll of the petals exposes. A dependable, faithful bedder.
- Juliet** (Per.). Fine flowers, petals gold outside, inside rich, rosy red deepening as the flower expands.
- Kaiserin Augusta Victoria**. Full double flowers; delicate creamy white; deliciously fragrant.
- Killarney**. Bright, carmine-pink, marbled in creamy white, with petals large and durable; the buds extremely long.
- Lady Alice Stanley**. Shell-shaped petals of deep coral rose outside, interior delicate flesh suffused pink.
- Lady Ashtown**. Tender rose shading to yellow at base of petals with silvery pink reflex.
- Lady Hillingdon**. Strong apricot-yellow buds, still pale yellow when open, with an added orange tinge.
- La France** (Tea). Delicate silvery rose, shaded with cerise-pink, often silvery pink with peach shading.
- Laurent Carle**. Brilliant, velvety carmine.
- Los Angeles**. Flowers large and continuous, in color a flame-pink, toned with coral and shaded with translucent gold at the base of petals.
- Luxembourg**. A fine, large, fully double rose of vigorous branching habit, and unusual freedom for the color, which is a rich golden yellow.
- Miss Lolita Armour**. The basic color is deep coral, with a golden and coppery red suffusion; the base of petals a rich golden yellow with copper-red sheen.
- Mme. Butterfly**. A symphony of cream, pink, apricot and gold. The buds are a rich Indian red, yellow at base; a delightful element in the constant mass of bloom.
- Mme. Caroline Testout**. Silvery rose, deepening at center to pale cherry-red.
- Mme. Edouard Herriot** (Per.). A glorious commingling of terra cotta, bronze, geranium-red and dull copper; fine, long, pointed buds of coral-red and yellow. Strong, upright growth.



The Charming New Edel Rose

- Mme. Jules Bouche**. Pure white slightly blushed at center. A fine bedding type.
- Mrs. Aaron Ward**. Deep golden orange, shading to cream; the standard yellow, small-budded "corsage rose."
- Mrs. A. R. Waddell**. Very deep, rich apricot-yellow.
- Mrs. Charles Bell**. Soft shell pink with a salmon background. It retains its full globular shape an unusually long time.
- Mrs. Wakefield Christie-Miller**. Large, globular bloom, delicately blushed pearl with salmon shadings; the outside a warm suffusion of rose and vermilion.
- Ophelia**. One of the most beautiful and popular, with perfect flowers of distinct form, lavishly produced; white, tinted and shaded with salmon, flesh, rose and yellow.
- Padre**. Beautiful, long budded and free; coppery scarlet flushed with yellow at the base.
- Premier**. Deep rose color, with a broad roll to the outer petals.
- Radance**. Extra hardy, vigorous and prolific; one of the best all-around Garden Roses. Its color is a beautiful blending of carmine-rose with shades of opal and copper.
- Red Radance**. The globular, heavy-stemmed "Radiance" type; a brilliant crimson.

**Souv. de Claudius Pernet**. A decided and comparatively unfading sunflower yellow even deeper toned at center. Its flower form is large and full with elongated petals; the buds long and pointed. In growth it is vigorous, erect and branching, with brilliant foliage and almost thornless stems.

**Souv. de Georges Pernet**. Stout stems and branching stubby plants; round thick buds which deliberately unfold into immense, multi-petaled, globular flowers of good substance, fragrance and tenacity. The color is a cheerful succession of reds—from orient to cochineal to carmine edge—the whole made brilliant by a golden sheen.

**Una Wallace**. Soft cherry-rose absolutely unshaded.

**White Killarney**. Flowers white as snow.

**William F. Dreer**. Soft, silvery shell pink, with a golden reflection from the base of petals. A magnificent vase type at its best as buds, and when half expanded.

**Wm. R. Smith** (Tea). Softly curled, waxen petals of firm substance; creamy white, flesh pink at tips and buff at base, the heart a deep pink.



Souvenir de Claudius Pernet

**SPECIAL  
OFFER**

WE will mail postpaid—one each of twelve varieties (our selection) from foregoing list of 55 cent varieties, for.....

**\$5.95**  
POST PAID

Quicker bloom and more of it if you plant S. & H. sturdy, 2-year field-grown rose bushes.



# EVER BLOOMING ROSES Contd.

## A Select List [21 items] of Special Merit

**Dame Edith Helen.** A magnificent, fragrant, full-bodied new rose of many substantial petals which curl back prettily, holding steadily to one vivid pink color. See color illustration on Front Cover.

**Earl Halg.** Remarkable fragrance, freedom, and unfading cherry-crimson color. Permanent high-built center, with thick rolling petalage; a type rare among red roses.

**Golden Pernet.** (Mons. Julien Potin). A magnificent new rose of perfect full form, liberal in bloom, and sweetly scented. It is a strong one-shade yellow—deep golden yellow, growing richer in tone with maturity. The buds are long and delightful, with unhurried expansion into a distinct flower of large size.

**H. V. Machin.** Intense scarlet-crimson; black-stained and velvety; large, full and high centered.

**John Henry.** An extremely deep flower of heavy bulk and substance, borne freely; deep carmine-pink, dominant in the early season.

**John Russell.** Of all recently introduced red roses this is one of the most generally pleasing. The fully double flowers are large and solid, produced in abundance on strong stems; the foliage attractively dark and shiny. Vivid red with velvet cardinal shadings.

**Lady Inchiquin.** A vivid garden variety of solid color, orange-vermilion brilliantined by cerise. The flowers are somewhat open, with curled petals; but are large and very free.

**Lady Margaret Stewart.** The gorgeously splashed red and orange buds fulfill their promise when the high-centered flower reveals the same richness of golden yellow streaked with orange and velvety red.

### Lord Lambourne.

Large globular buds of orange and scarlet, open beautifully into wide flowers of rich yellow, the margins tinted tender rose and red; foliage plentiful, dark and shiny.

### Marcia Stanhope.

Pure white; a long bud, and full double flower of good size. Illustrated on Front Cover.

**Mevrouw L. C. Van Gendt.** Long pointed buds; flowers long and full; salmon on a pink and yellow ground.



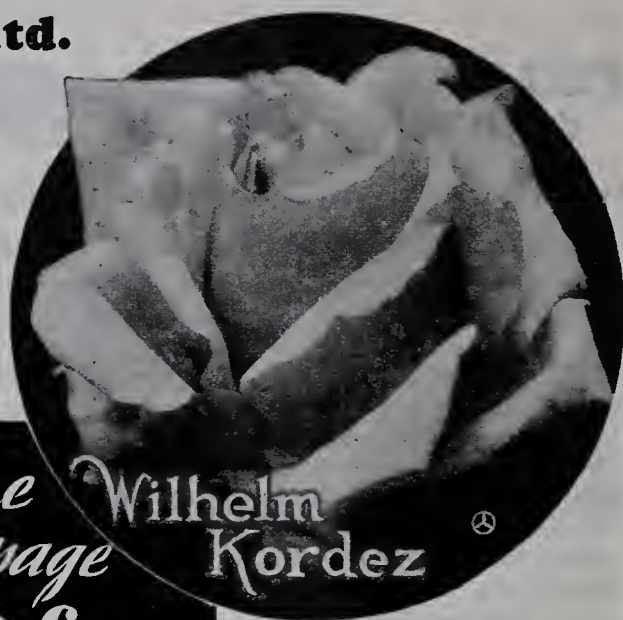
John Russell

Lord Lambourne

Any rose  
on this page

70<sup>c</sup>

one price  
regardless  
of quantity  
POST PAID



Wilhelm  
Kordez

### Miss Rowena Thom.

A vigorous novelty adapted to widely varied climatic conditions and general garden usage. Its flowers are of noble proportions, full bodied and 5 inches or more in diameter,

borne freely and unremittingly all summer; the buds long and shapely. Brilliant rose-pink, intensified by a golden suffusion at base of petals.

**Mme. Alexandre Dreux.** An excellent golden yellow of deep tone, with full, shapely flowers on erect branches.

**Mrs. A. R. Barraclough.** A magnificent garden rose of great size, freedom, perfect form and vigorous growth. Pure pink, yellow at base of petals; extra fragrant.

**Mrs. Beckwith.** Buttercup yellow, graduating lighter towards the edge. Good buds and medium sized flowers of perfect form.

**Mrs. Henry Bowles.** Intensely brilliant clear pink, pleasingly modified by lighter salmon-pink. The flower is perfect with fine, firm center; the bloom free, and bush vigorous.

**Pink Pearl.** Bright rose-pink with salmon base and red suffusion.

**Sensation.** Bud is large, long-pointed; the expanded flower very double, five inches across; very lasting. The finish suggests rich velvet, scarlet-crimson deepened over all by glossy maroon.

**Souv. de George Beckwith.** Flowers are large, full, globular and long-lasting, on good stiff stems; deep golden yellow at the base, terminating in shrimp pink, the intermediate surface overlaid chrome yellow.

**Ville de Paris.** Unadulterated sunflower yellow which holds fast under all weather conditions. In form, character and growth it favors the practical Radiance type.

**Wilhelm Kordes.** A magnificent variety with strong, straight shoots and gleaming masses of reddish leaves. The abundant bloom is gilded salmon-pink, flushed orange and veined copper-red when fresh; but a veritable sunset at the close, with a broken background, and straggling rays of red.

FEATURE  
OFFER

We will mail postpaid—  
one each of six varieties  
[our selection] from  
foregoing list of 70 ct.  
varieties, for . . . . .

\$3<sup>66</sup>  
POST  
PAID



# Special Offering of 9 New Varieties \$1.00 Everblooming Rose Each Postpaid

## THE 9 NEWEST AND BEST

**Etoile de Hollande.** A vigorous, healthy grower and free bloomer, improving year by year (like Radiance). The flowers are a brilliant crimson red, particularly charming in the half-blown state, continuous all summer. See illustration on Front Cover.

**Feu Joseph Looymans.** Long-pointed buds of orange buff, and large fairly double, free, fragrant flowers; yellow with apricot center. A splendid vigorous bedder.

**Fontanelle.** One of the very largest Hybrid Teas, with rounded petals. The color is clear yellow deeper towards the center, particularly strong toned during cool weather. A stronger grower than most yellow varieties.

**Joanna Hill.** Superb as a winter cut-flower and expected to prove equally adapted to gardening. Buds are long-pointed, opening into large, semi-double, long-lasting flowers; clear yellow with orange-yellow heart.

**Marion Cran.** A truly remarkable novelty exhibiting a brand-new color expression with each phase of its flower development. At first—deep buttercup yellow, margined and flushed cerise. Next, as it opens—the outside of petals retain their color, but the inside is geranium-scarlet flushed yellow and veined in orange. At last—the whole is rosy scarlet overlaid deep cerise, with a flush of buttercup.

**Mrs. Erskine Pembroke Thom.** A new, solid yellow built like Pernet; with continuous free bloom, a perfect center, clear lemon color which does not fade, and dark, bronzy foliage. The bud is slender, the flower shapely and of good size. See illustration on Front Cover.

**Red Columbia.** Urn-shaped buds, and rolling petals as they open. Full-blown they still retain the Columbia compactness, their profuse, bulky bloom and vivid color making an almost startling garden show. Lively crimson-scarlet with a velvet surface; uniquely perfumed.

**Rev. F. Page-Roberts.** A fine, big, colorful rose, glorious in the cooler days of autumn. A full, shapely flower, golden yellow stained outside with red; the copper-red buds extra long.

**Talisman.** The most gorgeous assemblage of colors in one flower ever presented by a Rose. Here are the strong colors exhibited, mostly in well defined angular blocks; gold, apricot-yellow, blood-orange, deep pink and old rose. The bud is long and shapely, developing into medium-sized, compactly double flowers; a free-bloomer, with glossy foliage.



Rev. F. Page-Roberts



Talisman—A Delightful Newcomer

## BABY RAMBLER ROSES Hybrid Polyantha Class

All-Summer Bloom—along with Hybrid Teas

Called the "Baby" Ramblers on account of their very short, close growth as compared with the long-known trellis climbers, the clustered flowers being identical. As Pot Plants, the varied types make wonderful forced specimens for winter decoration; in summer, their brilliant clusters lay ribbons of color along the garden borders from June till fall. They seldom grow higher than 18 to 24 inches, and spread never over 2 feet. For continuous edging, set plants 15 to 18 inches apart.

Hedges of the thriftier kinds are now being used extensively, thus combining good low-growing hedge material with a continuous, sparkling show of flowers. (General collection next page.)

## The World's Outstanding NEW ROSE

(Disseminated 1930)

### President Herbert Hoover. Illustrated

A glorious new multi-colored rose unfolding its broad, thick petals unhurriedly from the beautiful pointed bud. Vivid cerise-pink, softly flamed with yellow, orange and scarlet; this combination most emphatic on the reverse. The perfume is exquisite; the foliage ornamental.

on  
Front  
Cover  
\$1.25

## Special New Varieties of BABY RAMBLERS

**Lafayette.** Loose clusters; its individual flowers 3 inches wide, semi-double and prettily ruffled, strung together in great branching sprays of as many as forty. Brilliant cherry-crimson color. 65c

**Gloria Mundi.** This new variety is probably the best and most generally satisfactory of all the orange-scarlet Polyanthas recently introduced. Its color certainly is emphatic, clear and uniform, and comparatively unfading. The petalage is fully double, with many good sized florets in each cluster. 95c

**Golden Salmon.** A recent novelty, and one of the most attractive. The flowers are large, semi-double, thickly clustered, and never missing throughout the entire season. Color a beautiful red-salmon overlaid with a sheen of orange and gold, the light eye daintily conspicuous. 65c



# General Collection of Baby Rambler Roses 45<sup>c</sup> Each Postpaid



*Chatillon Rose*

**Crimson Baby Rambler.** The original of the group.

**Baby Tausendschoen.** A prevailing flesh-pink color.

**Chatillon.** Wonderful sprays of truly beautiful semi-double flowers which last long in water. The florets average about 1¾ inches in diameter, each heart-shaped petal distinctly lobed; silvery crimson fading away to flushed white at center.

**Ellen Poulsen.** Large, full, sweet scented clusters of dark pink.

**Erna Teschendorf.** Deep unfading crimson.

**Greta Kluis.** An exquisite loosely clustered variety, which rarely matures its flowers, the large, globular buds remaining in that just-about-to-open state so lovely on quince trees. The color is fresh and dainty, white blushed pink.

**Ideal.** Notable for its phenomenal quality of bloom, and rich garnet-red color.

**Lady Reading.** A strong unmixed, unfading cherry-red.

**Miss Edith Cavell.** Crimson, with distinct white eye.

**Orange King.** A strong orange-salmon shade. The trusses are large, with beautiful ruffled florets.

**Triomphe Orleanais.** Much the same shade of crimson as Baby Rambler, but larger flowered.

**Verdun.** Thickly clustered, good sized cup-shaped florets, brilliant, pleasing shade of cherry-crimson.

**White Baby Rambler.** Pure white, double flowers.



*Lady Reading*

## SPECIAL OFFER

### of Baby Rambler Roses

We will mail postpaid—your choice of Red, Pink, Orange, or Assorted (but our selection of varieties).

6 for \$2<sup>49</sup> or 12 for \$4<sup>72</sup>

# HYBRID PERPETUAL ROSES

## Always Dependable

NEW LOW PRICE

*same fine quality*

50¢ EACH POST PAID  
*Except varieties specially noted*

THESE are the "June Roses" so brilliant with perfumed flowers, larger and richer toned than the Everblooming class. Some varieties bloom late in summer and even into autumn. On account of disparity in growth and blooming season, this type should not be included in the same rose bed with the Hybrid Teas. The Harrison Yellow is commonly used as specimen "door-yard bush," and not cut back like the others.

**Allred Colomb.** Bright carmine-crimson.

**Anna de Diesbach.** Brilliant rose-pink; large.

**Baron de Bonstetten.** Dark red shaded maroon.

**Baroness Rothschild.** Delicate pink, good form.

**Capt. Hayward.** High built; crimson-carmine.

**Clio.** Satiny blush white, tinged rose-pink.

**Earl of Dufferin.** Globular; velvety crimson-maroon.

**Eugene Furst.** Velvety crimson garnet clusters.

### Frau Karl Druschki.

Waxy paper-white; its bud, half opened state and maturity are exquisite. Of longer blooming season than the type, yielding its final bouquets under the first fall of snow. 55 cts.

**Gen. Jacqueminot.** Very free bloom, crimson-scarlet.

**George Arends.** Large, perfect; silvered pink.

**Harrison's Yellow.** Bright yellow; early, dependable.

**J. B. Clark.** Deep scarlet overlaid with crimson.

**Jubilee.** Pure red, shading to crimson and maroon.



*Paul Neyron*



*FRAU KARL DRUSCHKI*

We grow 60 acres of roses—maintain highest quality and give better values



## Hybrid Perpetual Roses—50c each, Cont.

### H.P. Rose feature

We will mail postpaid—one each of six varieties (our selection) from foregoing list of 50 ct. varieties. The—

6 \$ 2.68  
FOR ONLY POST PAID

**Magna Charta.** Early blooming; bright rose-pink.  
**Marshall P. Wilder.** Bright cherry-carmine.

**Mme. Albert Barbier.** A magnificent new variety of fully double formation, great freedom and extra long blooming season. Pearl-white suffused with blush pink, the golden apricot glow from base and center richly illuminating. Low, compact growth. 60 cts.

**Mrs. J. H. Laling.** Soft, delicate pink, with satin cast.  
**Mrs. R. G. S. Crawford.** Deep rosy pink, edge lighter.

**Paul Neyron.** Very large, perfect; bright ruddy pink. This variety is notable for long, thick stems without thorns, and normally produces its best flower crop in September. 55 cts.

**Soleil d'Or.** Large, full flowers gold and orange-yellow, varying to ruddy gold suffused nas-turtium-red.

**Ulrich Brunner.** Fine form and popular; cherry-red.



### MOSS ROSES 50c Each Postpaid

A beautiful species distinguished by the mosslike covering of their buds. Vigorous, stocky growth, lustrous foliage and perfect hardiness; the flowers usually large and bloom exceptionally long.

**Blanche Moreau.** Pure white.

**Crested.** Deep pink buds, surrounded by a mossy fringe and crest; exquisitely fragrant.

**Henri Martin.** Rich glossy pink tinged with crimson.  
**Salet.** Light rose, large and full; late.

MOSS ROSE SET. One each of the four \$1.78 varieties above, postpaid, for

## Hardy Climbing Roses

Including the famous "Rambler Roses" the "Pillar Roses" and the "Japanese Trailing Roses"

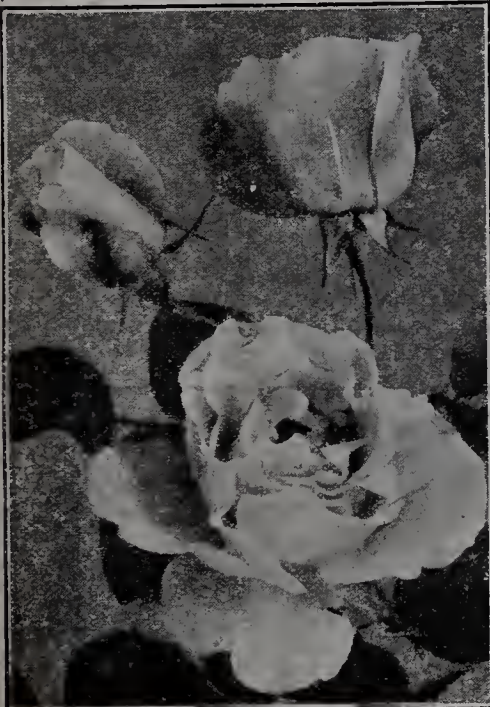
YOUR yard or garden may be too small to warrant the outlay of space sufficient to express your appreciation of Roses in bush form. Hardy climbing types (which include those modern varieties called "Ramblers") need only a foothold; the long trails will twine and cling to any little trellis assistance, and spread charming clusters over yards of wall space, and will hang in festoons along the eaves of your porch roof.

The evergreen, lustrous, dense and healthy foliage of the Wichuriana species makes them indispensable for ground covering and shallow bedding. They bloom profusely during a long season and brighten the early winter months with conspicuous fruits and still green foliage. Although trailing in tendency, every variety yields readily to upright training.

### From Spain—First of a New Type

#### Mme. Gregoire Staechelin

**"The Spanish Beauty."** Today's wonder Rose. Delicious fragrance—quite rare in hardy climbers. A choice cut-flower—also unique in this class; tight bud long-pointed, opening bud urn-shaped, full-blown flower semi-double, cup-shaped, and broad to five inches; the cutting stem 12 to 15 inches long. The color is charming, in vase or on the vine; maroon in the bud, carmine to pearly pink as the perfumed petals unfold. Just one glorious month of bloom, but even that is unusual; each stem displaying its three to five flowers one at a time. The foliage is olive green, leathery and plentiful. 12 feet of growth a year; two years to the roof. Europe gave it the supreme Bagatelle gold medal in '27, America the John Cook medal in '29. You can get it from us, to use on pillar, trellis or fence, for . . . . 95 cents, postpaid



### THREE VARIETIES 65c of special merit EACH POST PAID

**Albertine.** A vigorous climber with glossy dark foliage, producing an abundance of sweetly scented, moderately double flowers about four inches in diameter. Their color is variable, in successive combinations of copper, chamois, salmon and pink; with a silvery overcast.

**La Reve.** A new yellow pillar rose of deep, unfading color, throwing out beautiful sprays in great abundance during June. Nearly identical with "Star of Persia," but has a longer season of bloom, and by some critics considered better.

**Star of Persia.** A captivating spectacle in early June, when the golden flame of its flower clusters stands out in bold relief against verdant foliage and the varying duller tones of its environment. Individual florets average 3 inches across, semi-double, ruffled, long persistent, bright yellow.



General List of Climbing Roses Next Page

Tausendschon—Page 14



# GENERAL COLLECTION OF CLIMBING ROSES

**40¢** one price regardless of quantity. POST PAID

**Best of New and Old Varieties—2-Year Field Grown, Remember—at lowest prices ever offered.**

**Alberic Barbier.** Long, pointed buds of sulphur yellow, opening into handsome creamy white flowers. Growth is rapid, but slender, well clothed with glossy dark green leaves.

**American Pillar.** The single flowers range from 2 to 3 inches in width, arranged in mammoth, evenly rounded clusters. Brilliant carmine-rose, with distinct creamy white sector and yellow stamens at center.

**Aviateur Bleriot.** Exquisite little buds of saffron-yellow shaded apricot; opening lighter. The bloom occurs in open clusters, emitting an unusual magnolia fragrance.

**Climbing American Beauty.** Healthy foliage and strong growth; the abundant bloom as lovely and deeply pink as the bush form.

**Crimson Rambler.** The famous crimson clustered climber.

**Dr. Huey.** Similar in habit and flower form to Paul's Scarlet Climber, but more brilliant and showy because its color is intense dark crimson and the prominent golden stamens more noticeable in expanded flowers.

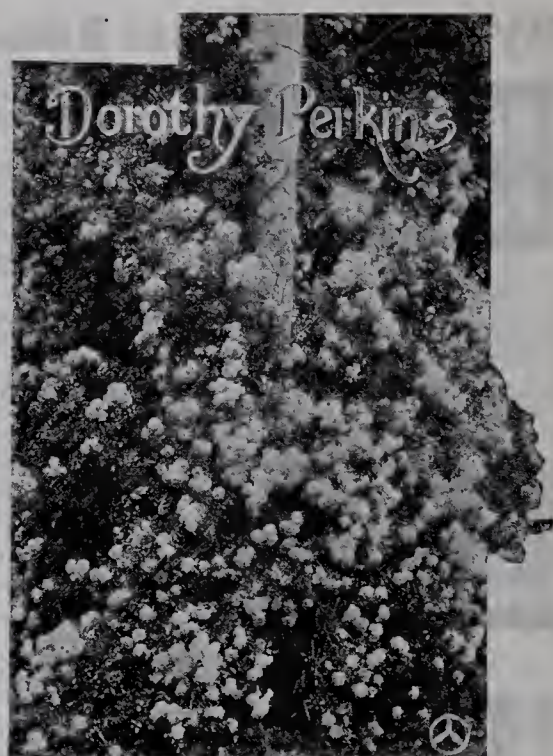
**Doctor Van Fleet.** A mass of beautiful pink buds, which open out into large, shapely, solitary flowers with stems 12 to 18 inches long; delicate flesh white. Season about three weeks; a charming cut flower.

**Dorothy Perkins.** The ideal pink rambler; flowers densely quilled and numerous; a beautiful shell-pink. Good foliage and habit; accepting partial shade without protest.

**Eugene Jacquet (New).** Fragrant, cherry-red flowers borne profusely in very large clusters.

**Excelsa (Red Dorothy Perkins).** Radiant, blood-red clusters fairly covering the thrifty vines.

**Flower of Fairfield.** The "Ever-blooming Crimson Rambler"; commencing to bloom on the first young red shoots.



**Gardenia.** The tight, very numerous little yellow buds, are beautiful in early summer, the flowers opening up creamy white, jasmine scented.

**Marle Gouchalt (New).** Clear geranium-pink; the clustered form, size, and general habit identical with Dorothy Perkins.

**Mary Wallace.** Although a good pillar Rose, it becomes self-supporting and makes an ideal doorway bush. The flowers are semi-double, bright clear rose-pink with salmon base. These are often 4 inches wide; appearing intermittently during the season, following their first glorious outburst in late spring.

## Paul's Scarlet Climber.

Scarlet, shaded crimson, large, semi-double, holding after many June bloomers have dropped their petals.

**Rosa Wichuralana (Memorial Rose).** Especially valuable for cemetery planting. The best ground-covering rose. Pure white, single flowers in July.

**Silver Moon.** Four to five-inch, semi-double flowers; pure white with thick clusters of yellow stamens.

**Tausendschön.** Its innumerable flower clusters make a pretty show; at first soft pink and white, later deepening to carmine-rose.

**Veilchenblau.** (The Blue Rambler). Large hydrangea shaped panicles of tight florets, a prevailing steel blue color.

**White Dorothy.** A magnificent cluster rose, with good strong virility and climbing habit, the vines a sheet of white during blooming period.

## How to Prune Roses

The weak shoots and surplus wood are removed by us before sending stock out, so that what the customer gets is all ready to plant. Every Spring, usually the fore part of March, just before the leaf buds begin to swell, the winter covering should be gradually removed, and the bushes pruned.

Hybrid Perpetual Roses should be cut back, every shoot, to about 6 to 8 inches above the crown or that above the roots where the stem begins to branch. Teas and Hybrid Teas need not be cut back quite so hard; the Polyanthas not at all unless stems are too numerous.

The Rugosas are pruned merely to keep their growth within bounds and to remove dead wood; the Hardy Climbers are merely trimmed; and inasmuch as their bloom comes only on wood made the season before, the safest and most beneficial time for pruning is immediately after their blooming season and before they make new summer growth.





# THE GOLDEN ROSE of CHINA

**Hugonis.** One of the recent sensational discoveries in horticulture. A dense rose bush of medium shrub proportions, well adapted to either specimen or mass planting in the foreground of shrub groups. All season its refined acacia-like foliage, through which gleam the red-maroon canes and hairy bristles of new growth—is delightful; but the best show is when May converts its innumerable buds into a shimmering mound of gold. The 2-inch flowers are single, flat to cup shaped, with charming stamen tufts at center; set snugly full length of last year's arching canes. Their color is bright and noticeable, ranging in shades of yellow from deep gold to canary.

Long, densely flowered wands may be cut liberally for table and other house decoration without detriment to the general landscape effect of a sizeable bush.

Price: 50 cts. each; \$4.50 per 10—Postpaid.

## RUGOSA ROSES

*Rosa Rugosa and Its Hybrids*

A valuable perfectly hardy type much used in landscape work, agreeable to location in partial shade; the heavy wood and shrubby formation adapting it to hedges and hardy borders, or to mixed shrubby groups. The foliage is lustrous, dark green, usually corrugated, and is impervious to attacks of insect pests. Flowers are borne in clusters of varying size and construction, and are succeeded by winter persistent fruits.

### NEW HYBRID RUGOSAS

**Agnes.** Newest, and the only Rugosa showing a yellow color. Also sweet scented; with a profusion of early summer flowers extra large for this class. Coppery yellow buds and flowers, maturing to amber yellow. 90 cts.

**John Ruskin.** A new variety with attractive features. The rather large flowers are brilliant red; the rugosa foliage quite dark and lustrous. 65 cts.

**Pink Grootendorst.** Habit and character like the celebrated red Grootendorst, but the color of the fringed clusters is a clear, light, shell pink. 65 cts.

### GENERAL COLLECTION

A selection from the best recent introductions, follows:

**40<sup>c</sup> each** POST PAID  
EXCEPT NOTED

**Rosa Rugosa Rubra.** Flowers deep rose. (By express collect, \$35.00 per 100.)

**Rosa Rugosa Alba.** Pure white.

**Amelle Gravereaux.** Medium double fragrant flowers in small groups all summer, dark purplish red.

**Belle Poitevine.** Every tip laden with pink bouquets.

**Blanc Double de Coubert.** Paper white, fragrant.

**Chas. Fred'k. Worth.** Double; deep crimson-carmine.

**Conrad Ferd. Meyer.** Double, delicate silver pink.

**F. J. Grootendorst.** ("Baby Rambler Rugosa"). Typical rugosa foliage and habit, of compactly bushing, moderate growth; blooms in clusters of over-sized, fairly double red flowers resembling the Crimson Baby Rambler. It blooms longer than most Rugosas, and so fits well into East side foundation plantings, to show red flowers in partial shade. (Special—5 for \$1.80.)

**Hansa.** Abundant, large, double, reddish violet flowers.

**Mme. Georges Bruant.** Semi-double pure white.

### VARIOUS ROSE SPECIES—ROSA

Pretty single flowers, and large, bright-colored berries which cling far into the winter. They are largely utilized for planting among shrubs and to cover waste ground and fences.

**Blanda** (Meadow Rose). Slender, reddish purple branches almost thornless, with pale green, oval foliage. Bright rose, May-flowers.

**Carolina** (Swamp Rose). Hardy in either wet or dry soil. Shrubby growth, pretty pink flowers.

**Humilis** (Pasture Rose). Ground cover; pink.

**Rubiginosa** (Sweet Brier). A shrubby type with fragrant foliage, and charming, light pink, single flowers.

**Rosa Rubrifolia.** An attractive, shrubby bush type furnishing valuable foliage display of dark bronze-red leaves. When in bloom, it is brightly spangled with a profusion of small single rose-pink flowers. 60 cts.

**Setigera.** Useful for massing in picturesque hillside brambles; as borders to wildwood drives; as filling for dead corners; and with equal harmony, as a congenial mixer with shrubs and in single specimens. Setigera is a good fence and trellis climber, or occasional clipping will make a satisfactory bush. Large single flowers of rose pink.

**PRICES:** Unless stated; 50 cts. each; \$4.50 per 10, by mail postpaid.



Hugonis Rose



Grootendorst

## TREE or STANDARD ROSES

We presume most of our patrons understand that Tree Roses consist of a single upright stem top-grafted to some reliable variety. This reveals all the foliage and all the bloom in a rounded clump at the top of a 3½-foot stem. They are very useful as borders to walks in a formal garden, or in any location where the show of bloom is desired at an elevation of about 5 feet. We offer them in **Pink, Red, White and Yellow**—all free Everblooming varieties.

By express collect, \$2.40 each.





MISCELLANEOUS  
SPRING LIST OF

Tuberous Rooted Begonias

New  
Amaryllis  
Hybrids

'Elephant's Ear' Planted In Rockery

# BULBS & TUBERS

## For Summer and Fall Flowering

### AMARYLLIS

Valuable alike for house, conservatory or garden. For pot culture they should be well drained and potted in soil composed of leaf mold and light loam, although they grow well in any rich soil. After blooming season is over, withhold water, as the top begins to die; when thoroughly ripened place in dry cool place, leaving plant in pot to allow season of rest.

**Honolulu Hybrids.** Originally a product of the Islands, now the finest strain under American cultivation. The body color is white, broken up by heavy streaks and lines of tropic luxuriance, in rose, red and other colors—or else dominantly orange, cherry, cerise, crimson, with mottlings or striping of vivid contrasts. The flowers run to enormous size and productivity in outdoor plantings in the South; but as potted specimens in the more temperate states they average six to eight inches of flattened expanse, with rounding, over-lapping petals; three to six flower stalks to the bulb.

**Offered in Mixed Colors only.**

**First Size**—50 cts. each; \$5.00 per dozen.

**Extra Large**—75 cts. each; \$7.50 per dozen.

### TUBEROUS ROOTED BEGONIAS

This is an interesting section, valuable as pot plants and for garden beds. The flowers vary considerably as to form and size, ranging from 2 to 4 and even 6 inches across. While some of the single ones are perfectly smooth, others are fluted or distinctly fringed. The colors are delightfully vivid and distinct.

When grown outside, should be taken up before cold weather, spread out to dry, and be packed away in boxes of dry sand and stored through winter in some cool place, yet not where frost can reach them. Some little time before planting outside in spring they should be potted and kept inside until well started. They delight in a partially shaded location in soil composed of leaf mold, sand and well rotted manure.

**Single Flowered.** Separate colors, **white, pink, scarlet, crimson, salmon and yellow.** 25 cts. each; \$2.50 per dozen; \$18.00 per 100.  
**Mixed**—\$2.20 per dozen; \$16.50 per 100.

**Double Flowered.** Varieties in separate colors, **white, pink, scarlet, crimson, salmon and yellow.** 30 cts. each; \$3.00 per dozen; \$20.00 per 100.

**Mixed**—\$2.50 per dozen; \$18.00 per 100.

**Fringed and Ruffled.** Flowers of immense size with beautifully frilled, fringed and wavy petals, in a waxen more dignified way creating an effect like the finest ruffled Petunias. Ours is a choice strain. Separate colors—**Red, Rose Pink, Salmon, Orange, and White**—35 cts. each; \$3.50 per dozen; \$25.00 per 100.  
**Mixed**—\$3.00 per dozen; \$22.50 per 100.

### CINNAMON VINE [*Dioscorea Batatas*]

Extra hardy, insect-proof, fast growing (25 to 40 feet in one season): a beautiful vine of glossy, heart-shaped foliage, turning yellow in autumn. Tops die down for winter, but spring forth early with renewed vigor. Tiny white flowers in small axillary clusters, scent the neighborhood with a delicious cinnamon fragrance.

**Roots,** 4 to 6 inches long,—15 cts. each; \$1.50 per dozen.

### CALADIUM ESCULENTUM

(Elephant's Ear)

For obtaining tropical effects in lawn and garden planting, this beautiful plant which grows from a bulb, takes a prominent place. Stands 6 to 7 feet high, with bright green leaves 3 to 4 feet long and 2½ feet wide. Should have plenty of water and good rich soil. Is a splendid adornment for the banks of fountains and lily ponds, or any rockery where plenty of moisture is available.

	Each	Dozen	Doz. by Express
Extra large bulbs.....	30 cts.	\$3.00	\$2.50
First size bulbs.....	15 cts.	1.50	1.25

This section is very important in arrangement for complete seasonal gardening



## FANCY LEAVED CALADIUMS

A class of beautiful variegated foliage plants, excellent for window boxes, vases or single pot plants, succeeding equally well in a somewhat shady situation out of doors. Among all foliage plants they are undoubtedly the showiest, reveling in many soft colors and indescribable beauties of design. After becoming well established, they require liberal watering, coupled with adequate drainage. The bulbs should be started into growth about the first of April and dried off in October and kept in a warm and dry place until spring again.

**Mixed.** 30 cts. each; \$3.00 per doz. By express—\$20.00 per 100.

## CALLAS

The White Calla is rarely used except for house blooms, but the hardier spotted-leaved variety *Elliotiana*, is mainly used in the gardens for the beauty of its foliage as a border, and its delightful flowers for late summer cutting. The bulbs should be set out after danger of frost is past, and dug up again in the fall for drying off and winter storage.

**Ethiopica.** This is the well known and ever popular White Calla Lily whose chaste, waxen beauty is typical of purity and refinement. There is nothing to take its place in decorations for church functions, and its presence in the home is ever an inspiration. 35 cts. each; 3 for 90 cts.

**Elliotiana.** Leaves dark green with creamy white spots; flowers a richly lustrous golden yellow. Extra large bulbs—35 cts.; \$3.50 per dozen. By express—\$25.00 per 100.

**The Godfrey Everblooming Calla.** (New.) Flowers as large as the largest and outbloom the others three to one; pure white. Plant dwarf and compact. 25 cts. each; \$2.50 per dozen.

## GLOXINIAS

The Gloxinia has handsome large, round, hairy leaves and quantities of big flowers. Give rich, light soil and partial shade, until well started into growth; in watering, do not wet the leaves. When through blooming, store in any dry, warm place for re-potting next season. We are offering the separate colors:—

**Rose Pink, Violet, Scarlet, Red with white edge, Spotted and Tigered.** 40 cts. each; \$4.00 per dozen.

**Mixed**—35 cts. each; \$3.50 per dozen.

## HYACINTHUS CANDICANS

The beautiful "Summer Hyacinth", with 20 to 30 white, pendent bell-shaped flowers on stalks 3 to 4 feet high. Blooms early and till late fall. Should be planted rather close for mutual support, preferably in straight lines, and be heavily mulched as winter protection. 3—30 cts.; doz.—\$1.00; 100—\$7.00.

## MADEIRA VINE

A beautiful rapid growing vine with dense foliage, fleshy, heart-shaped, light green. Numerous Mignonette-like feathery racemes of white flowers, which are pleasantly fragrant. Ordinarily, hardy in the North if well protected by a mulching litter during the winter.

Strong tubers, 15 cts. each; \$1.50 dozen.

## TUBEROSE

**Excelsior Pearl.** Fall flowering bulbs; long, compact spikes of double, waxy white flowers; exquisitely perfumed. 3 for 25 cts.; 75 cts. per dozen. By express—\$5.00 per 100.

## ZEPHYRANTHES [Zephyr Lily]

Airy, dainty, small plants and bloom from small bulbs. Used for summer garden massing, in boxes, and in pots for the house. The few grass-like leaves appear with the flowers; which are solitary, atop upright 12 inch scapes. Flowers are numerous throughout a long season. Dig before fall frosts, preserve like Gladioli, and set out again only after spring frosts are past.

**Candida.** Star-like, 2-inch flowers of six distended petals, white with faint lilac streak outside; blooms freely in summer and early fall.

Doz.—60 cts.; 100—\$4.00 (Postpaid).

**Rosea.** Resemble Crocus at first, eventually bellling out from a long tube, revealing long yellow stamens. Coral pink to rosy red, daintily conspicuous in spring and early summer.

Doz.—\$1.50; 100—\$12.00 (Postpaid).

**Mixed.** An accidental mixture of the bulbs of these two kinds.

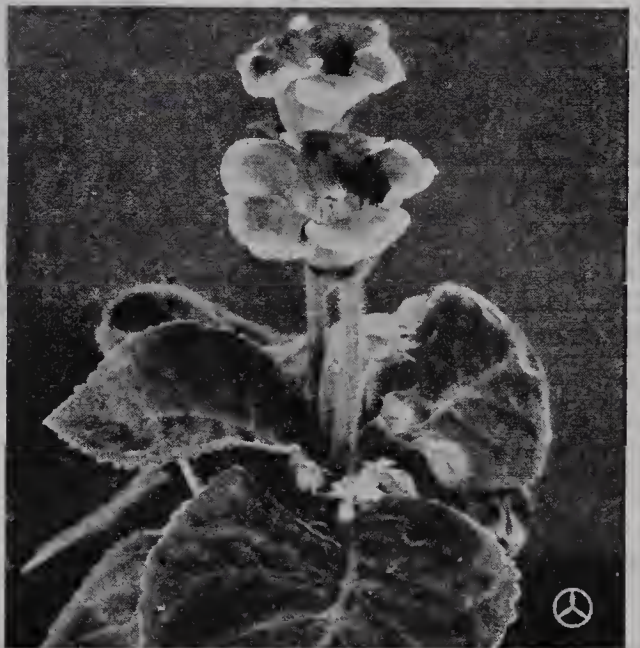
Doz.—\$1.00; 100—\$7.50 (Postpaid).



Fancy Leaved Caladiums



Spotted Calla "Elliotiana"



Gloxinia

## CANNAS, GLADIOLI, DAHLIAS—In Order, Following

Summer Bedding Plants and House Plants and Vines are listed on pages 25-30.





### STARTED PLANTS—[3" pots] after May 1st

**PRICE—on 14 varieties following:**  
Postpaid: 3—60 cts.; doz.—\$2.00.  
Express Collect: \$12.00 per 100.

In comparing prices, bear in mind that **OUR** price on Dozens or less delivers them to your door.

**Ambassador.** (4 ft.) Darkly veined bronze leaves; good heads of broad flowers, unblemished fiery scarlet.

**Apricot.** (4 ft.) Broadly compact; apricot tinged silver pink, with gold and coral center.

**Beaute Poltevine.** (3½ ft.) Blood-shot petals of crimson-scarlet; a reliable red bedder.

**Gladlator.** (3 ft.) Large flowers of brassy yellow thinly speckled dull red. The long center petal and lower petal are dark red, making a striking contrast to the dominating yellow.

**Hungaria.** (3½ to 4 ft.) The first popular pink canna; bright "Neyron Rose" pink, the throat prettily mottled.

**King Humbert.** (4 to 4½ ft.) Heart-shaped bronze leaves shaded purple madder-brown. Immense trusses of velvety orange scarlet flecked carmine, rose tinted at margin and base.

### VARIETY CANNA SET

**PRICE—the 5 kinds**  
postpaid: 3—75 cts.  
Doz.—\$2.50  
Express: \$15.00 per 100.

**SPECIAL 3 of each (15 plants) \$3.00**

**Cheerfulness.** (4 ft.) The plentiful, medium sized bloom is well displayed just above the fresh green foliage; orange gold, flamed outward to a complete marginal suffusion with nasturtium red. Creates the thought of a cheery hearth-fire, sparkling in twilight.

**City of Portland.** (3½ ft.) Warm rose pink, holding its tone through both hot and cool weather. The great, full-petaled trusses are borne very freely on heavy stalks, and make a wonderful show throughout the season.

**Eureka.** (4½ ft.) The only genuine, practical white Canna, good full trusses, broad petals, uniform, free and continuous bloom; and a clean, waxy, ivory-white color. Sturdy plant and attractive foliage.

**Golden Wedding.** (3 ft.) Very rich golden yellow seldom adulterated with other markings. The flowers are large, clean, and well poised above the foliage, in shapely trusses. Exceptionally valuable because first class solid yellow color has been almost unknown in Dwarf Cannas.

**Vulcan.** (5 ft.) Intense garnet red flowers on purplish stalks; the dark green leaves broadly banded.

## CANNAS

### For Summer Bedding

OF ALL bedding plants, Cannas are the tallest and bulkiest, and furnish the widest range of colors. Their foliage is of noble proportions, making a full compact mass which serves to conceal the ground or background, and is of itself attractive in rich shades of green, bronze, red and chocolate. The surmounting flower trusses are uniformly large and free, brilliant with most of the colors and combinations known among flowers.

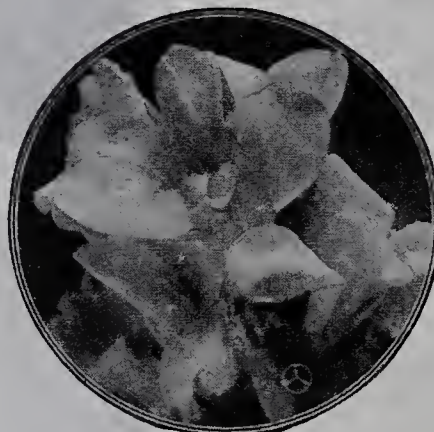
### PLANTING DIRECTIONS

**Soil, etc.** Cannas will grow in any kind of soil and most any location, but to obtain fullest development and reward, they should be given an open, sunny location and the soil enriched with well decayed manure. Dig up about 2 feet deep, and at all times give plenty of water.

**For bedding.** Cannas are normally planted about 18 inches apart each way; starting outer rows 9 inches inside margin of bed. Thus the planting radius of a 6 foot circle for outside row is 27 inches. In circular beds, the tallest variety should occupy the center, the medium heights next, finishing with a dwarf kind for the outside row. By consulting our descriptions, varieties may be selected according to desired heights, which range from 3 to 8 feet.



The President



Eureka

**Loulsiana.** (6 ft.) Deep orange scarlet.

**Mrs. Allred F. Conard.** (4 ft.) Makes a charming, continuous display of silvered peach-pink. The leading light pink.

**Queen Helen** ("Yellow King Humbert"). (4 to 5 ft.) Exact Humbert character, but the leaves are green and flowers rich golden yellow beautifully dotted red.

**Richard Wallace.** (5 ft.) The finest tall, light yellow; pure, unfading canary; very showy.

**Souv. de Antolne Crozy.** (3½ ft.) Crimson-scarlet conspicuously gold bordered.

**Statue of Liberty.** (6 to 7 ft.) Torch-like orange red trusses rigidly upheld; the best extra tall red variety. Heavily veined, dark bronze foliage.

**The Gem.** (4½ ft.) Its bloom is even and widespread, above the foliage; trusses large and compact. Straw yellow and rich cream, profusely flecked with rose.

**The President.** (4 ft.) The best green-leaved red-flowered canna offered. The flowers are immense, round, firm; a one color pure scarlet.

*Massed plantings in one color are most effective; but beautiful and striking combinations of colors may be arranged. See planting table on page 19.*



The Gem

Dig Cannas about Nov. 1st; and store for Winter on cool cellar bottom.



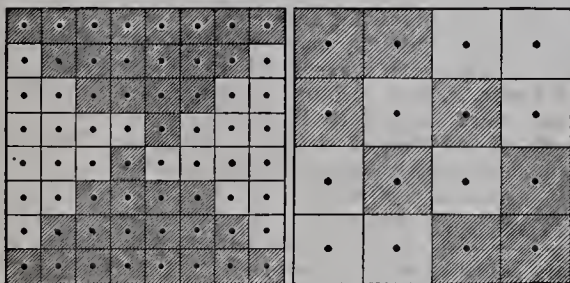


## "ROYAL WEDDING" Canna Bed

**King Humbert.** Black leaves, red flowers.

**Queen Helen.** Green leaves, yellow flowers.

A more splendidly mated pair than these two Cannas—so regal in every way besides in name—will be hard to find. They match perfectly as to growth and character of foliage and flowers; the contrasting colors making a rich combination.



## 12-Foot Bed—or—6-Foot Bed

KING.....	38 plants
QUEEN.....	26 plants

KING.....8 plants  
QUEEN.....8 plants

Total.....64 plants

Total.....16 plants

**By Express Collect** **\$5<sup>75</sup>**

**Price by Mail (Postpaid) \$240**

## “BIG 4 CANNA QUARTET”

Four of the choicest, most popular varieties.

The President, Queen Helen, Hungaria, King Humbert.

**Started Plants after May 1st, by mail, postpaid**

3 of each, \$2<sup>15</sup>  
the 12 for

12 of each, \$7<sup>20</sup>  
the 48 for

### PLANTING TABLE FOR CIRCULAR CANNA BEDS

Diam.	Center	1st Row	2nd Row	3rd Row	4th Row	Total Plants
4 ft.	1	5	.....	.....	.....	6
6 ft.	4	9	.....	.....	.....	13
8 ft.	1	7	14	.....	.....	22
10 ft.	1	5	12	18	.....	36
12 ft.	3	9	15	21	.....	48
15 ft.	3	9	15	21	28	76

# GLADIOLI

## Finest Flowers for Cutting

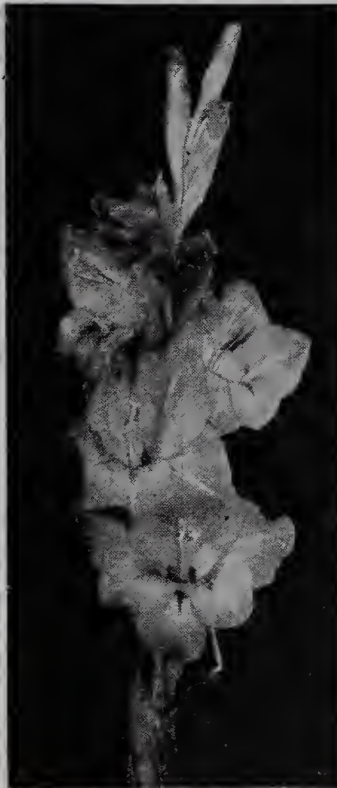
**T**HIS CLASS of summer-flowering bulbs is doubly valuable for the field show of bloom, and for its cut flowers. Gladiolus flowers last longer when cut than most any others, and open up best in water. Bulbs should be planted between April and May throughout the Northern States, followed by a second planting after two or three weeks for succession. Set bulbs 4 inches deep and 2 inches apart in the drills, single rows 12 inches, and double rows 18 inches apart. Beds do well planted 4 to 6 inches apart each way. **6 sold at dozen rates; 25 sold at 100 rate.**

**Dozens or less, by mail postpaid.**

**100 rate by express, collect.**

**For mailing, add 25 cts. per 100.**

## RUFFLED GLORY GLADIOLI



**Right:**  
**Shaylor**  
best  
Ruffled  
Pink.

**Left:**  
**Coleman**  
best  
Ruffled  
Red.



The Ruffled Glory is a distinct and valuable class; embracing some of the very finest of recent novelties. Their characteristics not only emphasize large size and strong color markings, but particularly the beautiful ruffled or fluted petals which are their principal distinguishing features.

**RUFFLED GLORY  
GLADIOLI COLLECTION**

**One each** of the six Ruffled Glory "Glads" described on this Page, all noted for their large size, strong color markings and beautiful ruffled or fluted petals. The six postpaid for..... **65c**

**One dozen each,**  
enough to provide  
continuous bloom  
for several weeks  
if planted a few at  
a time. The six  
dozen for  
postpaid **\$4.95**

**E. J. Shaylor.** Large flowers beautifully ruffled; deep rose pink, with crimson feathering at throat and pretty mottling at the margins. . . . .

3	Doz.	Per 100
---	------	---------

**Joe Coleman.** A sturdy standard red, strongly ruffled. Cherry crimson with rosy white throat and midribs, lower petals blotched orange with a mahogany center and overbloom.

0.20	\$0.60	\$4.00
------	--------	--------

**Mrs. H. E. Bothin.** Late season; long, compact spikes of medium florets. White with a lovely peach-pink suffusion near the fluted margins; the throat a conspicuous scarlet flame with violet rib. ....

.25	.70	5.00
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**Orange Glory.** Broad, crimped flowers; a glowing orange salmon, the lowers blotched crimson-violet with an ivory streak at center. . . . .

.40	1.20	8.00
-----	------	------

**Purple Glory.** Largest of the class, deeply ruffled, darkly gleaming; velvety purple-maroon, heightened by almost black throat blotches.....

.45	1.30	9.00
-----	------	------

**Scarlano.** Bright orange scarlet capriciously clouded, with wavy margins.....

.55	1.70	12.00
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Mrs. Doctor Norton      Attraction      Evelyn Kirtland      Romance      Albania

GENERAL

COLLECTION OF

CHOICE NAMED GLADIOLI

Dozen rate postpaid. 6 at dozen rate. Rate per 100 by express only; 25 at 100 rate. Add 25 cts. per 100 if ordered by mail							
	3	Doz.	Per 100		3	Doz.	Per 100
<b>Albania.</b> Glistening pure white with fringy petals and full spikes	\$0.30	\$0.90	\$ 6.00	<b>Giant Nymph.</b> Giant la france pink, with creamy yellow throat powdered scarlet.....	\$0.30	\$0.90	\$ 6.00
<b>Attraction.</b> Iridescent, crimson-carmine, the lowers emphatically blotched ivory white.....	.40	1.20	8.00	<b>Golden Dream.</b> A golden dream come true. As deeply, richly golden as Souvenir, but much larger. Slightly smaller than Golden Measure flowers, but taller and later; many open flowers at one time.....	.65	2.00	15.00
<b>Byron L. Smith.</b> The earliest lavender; a beautiful pink-orchid shade with a white pattern and gilded throat. A chosen cut-flower, keeps extra long in water.....	.40	1.20	8.00	<b>Golden Measure.</b> Large, thick flowers in heavy upright spikes; orange yellow with gold blotch on lower; exterior base rose pink..	.50	1.50	10.00
<b>Carmen Sylva.</b> Dependable early pure white cut-flower; long stems, large bloom well placed. Holds up fine against sun, wind and rain.....	.30	.90	6.00	<b>Halley.</b> Extra early, large florets, full spikes, fine for cutting; salmon pink, one small lower blotched yellow with crimson dust.	.25	.70	5.00
<b>Chicago White.</b> Many small florets with pointed tips; white slightly blushed with creamy throat and lavender anthers.....	.20	.60	4.00	<b>Le Marechal Foch.</b> Early, profuse, and massive. Blush white with faintly mottled lilac throat gilded and crimson striped...	.25	.70	5.00
<b>Crescent Queen.</b> Brilliant wine-red in sunshine, velvety garnet under clouds. Flowers free, large, and slightly ruffled.....	.50	1.50	10.00	<b>Louise.</b> Orchid lavender with deeper blotch in the throat, a dainty combination.....	.25	.70	5.00
<b>Crimson Glow.</b> Very dark scarlet with garnet streaks and velvet sheen over all..	.25	.70	5.00	<b>Mrs. Dr. Norton.</b> An exquisite type and color of universal appeal. Flushed white; side petals and central lower tipped shell pink; lowers overlaid buff with red dust base. Prominent contrasting buds of damask rose....	.30	.90	6.00
<b>Elizabeth Tabor.</b> Delicate rose pink on a white ground. with a rich crimson blotch. Very early..	.30	.90	6.00	<i>Please notice the prices are way down below last year.</i>			
<b>Evelyn Kirtland.</b> Salmon rose; interior silvered towards base, lowers blotched red..	.25	.70	5.00				
<b>Fern Kyle.</b> Vigorous with large bloom slightly ruffled; delicate creamy white...	.40	1.20	8.00				

S. & H. "OLD GLORY" MIXTURE

OF LARGE FLOWERED GLADIOLI



A splendid hand-made collection of choice varieties scrupulously counted into the dozens and hundreds and thousands delivered to our customers.

This year we have again set aside 20 color-balanced varieties which occur in our published lists, and hand-pick 1 of a kind in each dozen; or 5 of a kind to each hundred—so that we know exactly what you will receive. You will understand and appreciate this distinctive care and service when the bulbs bloom. You pay no more for this definite distribution than you have paid previously for the chance associations; and very much less than if the units were ordered by name.



By mail (postpaid), one dozen for.....

100 for.....\$4.00

By express \$3.75 per 100; \$35.00 per 1000.

55c

S. & H.

Standard

Mixture

A choice mixture; comparable in policy, and superior in variety and quality, to our former "Old Glory" strain before we adopted the policy of counting-in definite varieties for that superb mixture. It may contain high priced novelties which are in surplus. This Standard Mixture will give you many thrills in a hundred bed.

45 cts. per dozen;

\$3.00 per 100;

\$27.50 per 1000.





	Mrs. Frank Pendleton	Crimson Glow	W. H. Phipps	Violet Beauty	Pythia
<b>Mrs. F. C. Hornberger.</b> The grand sensation of 1931 exhibitions. Best pure white; snow white unblemished, even the throat unstained. Splendid large, gracefully ruffled flowers in well-filled spikes; late mid-season succeeding Carmen Sylva and Peace.....	3	Doz.	Per 100		
<b>Mrs. F. C. Peters.</b> A beautiful orchid pink, with a crimson purple blotch haloed white on lower segments.....	\$1.00	\$3.00	\$20.00		
<b>Mrs. Frank Pendleton.</b> A spectacular and lovely variety, most popular of the definitely blotched type. White, warmly suffused shell-pink; the three lowers radiant with a polished mahogany blotch and its feathery halo of cherry red.....	.30	.90	6.00		
<b>Mrs. Leon Douglas.</b> Brilliant, extra large and numerous flowers, begonia-rose striped with flame and scarlet, the lip pale lemon speckled with ruby.....	.25	.70	5.00		
<b>Nancy Hanks.</b> Rich apricot to orange-pink, with grenadine tongue—a color similar to Alice Tiplady. Flowers large sized, 6 to 8 open simultaneously, sun-resistant, vigorous.....	.40	1.20	8.00		
<b>Peace.</b> Very tall, with elongated spikes of late flowers; pure white, the lower throat streaked and dusted brilliant lilac.....	.40	1.20	8.00		
<b>Prince of Wales.</b> Clear, translucent melon pink, the center a delicious angular pattern of most delicate shell-pink; the lowers bearing a splash of coral red on a buff shield..	.25	.70	5.00		
<b>Pythia.</b> A profitable "roadside" red,—one of the largest reds (about 6 inches broad), in full spikes of very free midseason bloom. Brilliant cherry red with darker blotch...	.30	.90	6.00		
<b>Romance.</b> Damask and old rose, condensing richly toward margin, sharply edged burnt purple; the lower throat a streaky pattern of crimson on buff.	.40	1.20	8.00		
<b>Rose Ash</b> (Ashes of Roses). A beautiful blend of old rose, gray, pink and red. Unique and delightful....	.40	1.20	8.00		
<b>Scarlet Princess</b> (Virginia). Iridescent color shifting in sun or shadow, from shining scarlet to raspberry red; when partly opened, resembling long-tubed rose buds.	.30	.90	6.00		
<b>Schwaben.</b> Of robust character and massive, full flower heads. Smooth sulphur yellow, the lowers coated deep canary with a violet blotch. One of the showiest sorts.	.25	.70	5.00		
<b>Violet Beauty.</b> Replaces Herada which, although charming, is hard to maintain. Tall; large, beautiful flowers of cerise-violet or wine-stained purple, with ruby throat blotches.....	.30	.90	6.00		
<b>War.</b> Long, erect spikes with progressive late bloom; very dark, solid red.....	\$0.40	\$1.20	\$8.00		
<b>W. H. Phipps.</b> Dominating flowers of immense size in long, massive spikes, all out at once. A captivating shade of la france pink warmed with salmon rose, lighter at center; lower petals faintly clouded with ruby dots....	.65	2.00	15.00		
<b>Windsor.</b> Bulky flowers giving a charming striped effect; the background flushed white, with a hazy mottling of carmine rose which leaps into vivid prominence as short stripes at the margins.	.55	1.70	12.00		

PRIMULINUS HYBRIDS

A modern type of early bloom with small flowers of perfect form, orange, tan or yellow shades. Very popular for early cut-flowers.

	3	Doz.	Per 100
<b>Alice Tiplady.</b> This is the "leading lady" of the Primus. Long-lasting, full spikes. Bright, clear orange-salmon, two of the lowers bronze with carmine penciling....	\$0.25	\$0.70	\$5.00
<b>Jewel.</b> Blush and peach pink over cream, two of the lowers canary yellow with slight crimson feathering.....	.20	.60	4.00
<b>Maldenblush.</b> Creamy white splashed with bright pink. A popular dainty coloring..	.20	.60	4.00
<b>Souvenir.</b> Clearest, deepest yellow found in Glads.; of abnormal class size, the first yellow to bloom. A solid sunflower shade.	.30	.90	6.00
<b>Sunbeam.</b> An appropriate successor to the earlier Souvenir, in cream and canary....	.20	.60	4.00
<b>Primulinus Mixed.</b> Above five and various others.....	.50		3.50

S. & H. "TAPESTRY" BED OF SPECTACULAR GLADIOLI

12"	12"	12"	
6 Schwaben	6 Windsor	6 Crescent Queen	18"
6 Scarlano	6 Romance	6 Chicago White	18"
6 Rose Ash	6 Golden Measure	6 Attraction	18"
6 Prince of Wales	6 Scarlet Princess	6 Mrs. Dr. Norton	18"

Bed 3x6 feet  
Value of Bulbs \$6.50  
6 each of the  
12 varieties  
(72 bulbs) by mail  
Postpaid  
\$5.20

Dig Glad. bulbs before severe frosts. Plant them next spring not much earlier than May first.



# DAHLIAS

**S**PRING is beautified by the Peony, summer would seem barren without the Rose; in like manner we have come to expect of autumn—the Dahlia. From the great number of more or less

**Culture, Etc.** Dahlias are not particular as to the soil or location. Although maximum growth and bloom reward the full sun, some of the stronger sorts develop most perfect specimens in partial shade; and localities with a moist atmosphere or dewy nights are apt to give better results than a drier air. Frequent cultivation prior to their blooming season is absolutely essential to real success. Time for planting varies according to climate, but is safe after all danger of late frosts is past. Tubers should be planted about 6 inches deep, laid flat, eyes or sprout up. Although good lively tubers are apt to produce more stalks, started plants give practically an equal amount and quality of bloom. **We send out tubers (root division) until supply is exhausted after which orders are filled with started plants, same price.**

**Classes.** Owing to heavy elimination of varieties this year, and the general equalization of prices in our program of severe price-cutting, varieties are all listed alphabetically regardless of class, but under a common **price heading**. We indicate after each varietal name to what class it belongs, as follows (C).—means **Cactus**—that interesting type having pointed, tubular, twisted petals. (D).—means **Decorative**—that extensive, large, open faced type with broad, usually flat petals to which class we owe so many of our finest Dahlia flowers. (S).—means **"Show,"** or **Double**—compact, short quilled, formal, long lasting as cut-flowers.

## ★ THE ELITE FIVE ★ Novelty Dahlias

**Elite Glory.** (Giant Decorative). Immense size, perfect, on long rigid stems. An arresting shade of red, unmixed with orange, purple or maroon, which gives it a unique value and magnifies its radiant beauty. **\$1.00.**

**Jane Cowl.** (D). A wonderful exhibition type, deep, massive; with just a pleasing twist of informality. A delightful golden yellow, clouding with a suffusion of chamois and orange pink to the pronounced center of ruddy apricot. **\$1.50.**

**Margaret Woodrow Wilson.** A very broad decorative, with partially quilled abruptly tapering wide petals; soft blush white with delicate mauve suffusion at the prominent center. **\$1.00.**

**Marmion.** (D). Pure golden yellow, thinly outlined with reddish bronze which dominates the center and is suffused throughout the underside of petals. **\$1.00.**

**Sanhicans Bluebird.** (D). Magnificent broad flowers; unfading rich violet blue. **\$1.00.**

**OFFER ONE EACH, ELITE FIVE—POSTPAID \$4.50**



California Enchantress

distinct varieties which cumber the Dahlia catalogs, we are trying to keep our own list down to a reasonable selection from the established varieties we know, and the best introductions.



Elite Glory

**75¢** **75 cts. each; 3 for \$2.00; \$7.50 per doz. —POSTPAID** **Choice Dahlias**

**California Enchantress.** Of perfect cactus type, broad and deep, with many semi-quilled petals. Pale shell pink, with an alluring golden halo circling the tight-bunched center of violet rose.

**Gladys Sherwood.** (Hybrid Cactus). Extraordinary size in breadth and thickness; the long petals broad based, but tubular at the tips. Unblemished, glistening white. The most perfect and dependable white.

**Jersey's Beauty.** (Decorative). Ideal flowers, large, free, with excellent stems and vigorous plant growth. A popular cut-flower, for its beautiful color; a luminous coral pink with golden base and roseate over-glow.

**Mrs. I. de Ver Warner.** (D). Rarely imperfect in form, of large size and in great abundance. Usually displayed in profile. Its color is orchid-like and very popular, a deep mauve-pink. Early, continuous and substantial, one of the finest of its class, for all purposes.

**Papillon.** Of extreme size for the Cactus class, of perfect exhibition form. Wide, wavy petals with pointed tips; the outer rows light buff stained lilac, the short interior petals golden amber slightly tinged rose, the firm center a carmine red. A strong grower, well foliaged, with many flowers.

**Pop Stewart.** (D). Compact, many petaled, flat flowers, 8-10 inches across. The color is a solid light lavender, deeper at the base of inner petals.

**Sagamore.** (Decorative). A superb cut-flower; of pleasing size. perfect decorative form; high-built center, erect stems. Profuse bloom of long season and long keeping, both outdoors and in water. Soft saffron yellow with a faint rose undertone at base, the compact center enriched by ruddy apricot. The varying expressions of sideview or full front, sunshine or lamplight, give equal pleasure.

**SPECIAL OFFER ONE EACH ABOVE 7 POSTPAID \$4.20**



50¢

50 cts. each; 3 for \$1.35; \$5.00 per doz. POSTPAID

# Dahlias

## ALL CLASSES

**Ambassador.** (Hybrid Cactus). A magnificent flower of noble proportions; soft yellow at center, with shadings of salmon, amber and pink, creating a rich blend which deepens toward the tips.

**Amun Ra.** (D). Giant flowered, uniformly perfect, on extra long, upright stems. Soft melon pink, most of upper surface a shining gold, the large bronze center bristling with a fringe of folded petals in oriental red.

**Argonne.** (D). Blood-red; not too large to be graceful, retaining its closed center longer than most red dahlias; early and extra free bloom.

**Attraction.** (C). Formal 6-inch flowers composed of wide, wavy, point-tipped petals. Soft rosy lavender splashed with white.

**Billionaire.** (Peony fl.). One of the largest flowered in any class. The color is deep golden orange of great richness.

**Bonny Blue.** (D). The nearest approach to a regular blue yet produced. Not washy, but a strong, dark, solid color; a little darker at the compact center. In form—perfect, full round, short quilled, almost identified with the show type; profuse blooming, long stems and long keeping.

**California Beauty.** (C). Burnished copper subdued by amber and warmed by a hint of coral in its shadowed depths.

**Carolyn Wintjen.** (D). Of extreme size, 8 to 10 inches diameter, with long stems; salmon-pink shading to rose.

**Charles Stratton.** (D). Of giant proportions, the petals uniquely ruffled; golden canary, tipped and streaked old rose.

**Cigarette.** (C). Long rolled petals, mostly white with a solferino tip, proportions of the two colors varying capriciously.

**Ellinore Vanderveer.** (D). Perfect in all respects; the delightful color an unmixed, glowing, satiny rose-pink.

**George Schofield.** (English Cactus). Medium sized flowers with long thinly tubular, incurving, twisting petals. Color a delicate blending of apricot and yellow, reducing to white at the tips.

**George Walters.** (C). Tall-growing, impressive; its very large, full but loosely constructed flowers are yellow overlaid with apricot and shrimp pink; shaded at center with stone red or carmine.

**Golden Eagle.** (C). Tall growing, with long dark stems. Flower large, fine-petaled, full, and deeply incurved; orange tan, with golden tips.

**Hortulanus Fiet.** A "giant" decorative with an abundance of broad petals; shrimp pink faintly clouded with red and yellow.

**Jean Chazot.** (Or "Gay Paree.") (Hybrid Cactus.) Of the full, perfect, pointed formation; extreme productivity and long season; a sprightly cheerful display of golden bronze tinged with nasturtium red.

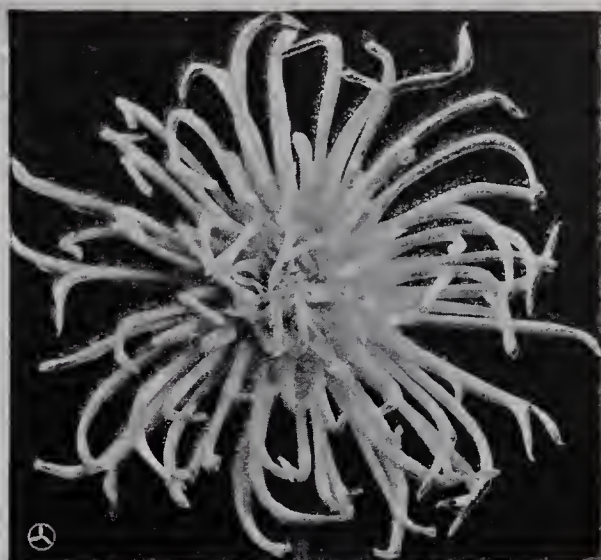
**Jerseys King.** (D). A large, shapely flower of odd color tone; a rich combination of old gold, with strawberry red at center.

**Koh-I-Noor.** A perfect hybrid cactus of large size and retained center; red maroon deepened and enriched by a velvet lustre.

**Millionaire.** (D). One of the largest, of perfect form and exquisite coloring; an even light lavender slightly pink at center. At maturity the center is pale, with increased color at the tips.

**Polar Bear.** (D). Purest white, the waxy flowers of great size, borne very freely on good long stems; long lasting quality.

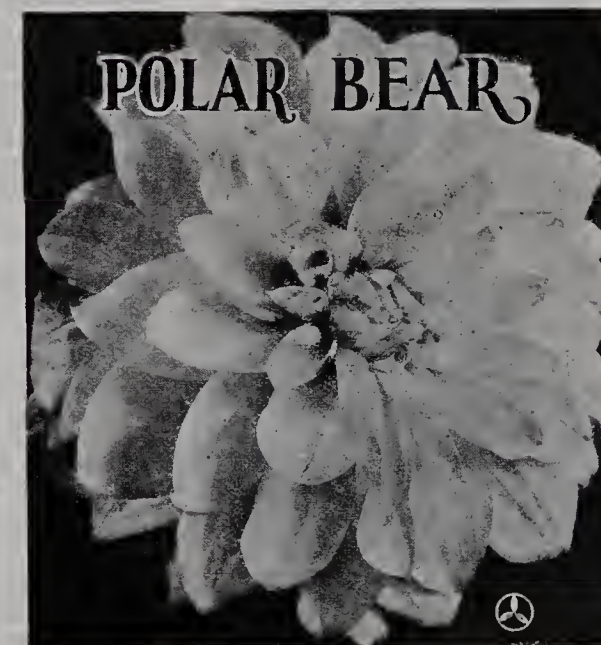
**Trentonian.** (D). Old gold, amber and coppery bronze, with a reddish bronze center. A brilliant exhibition flower of lasting quality.



George Schofield



Golden Eagle



Polar Bear—Purest White, Great Size



Pompon Dahlias

## POMPON DAHLIAS

Medium to small size, of perfect ball type with long, smooth stems. Especially good for bouquets, sprays or dwarf beds.

**Bobby.** Deep plum.

**Catherine.** Rich gold.

**Little Beauty.** Round, fully quilled balls of pure pink; make up beautifully in designs requiring a small, dainty flower. 50 cts.

**Little Prince.** Crimson-maroon striped white.

**Pure Lové.** Deep lilac.

**PRICE:** Except Little Beauty, 25 cts. each; \$2.50 per dozen.  
**SPECIAL OFFER:** The set of 5 for \$1.30; or 3 each for \$3.35.

Please note the Slashing Reduction in Price on varieties which are still novelties.



**DAHLIAS—Concluded.**Oregon  
Beauty**A. D. Livonia****Mrs. Henry R. Wirth****Judge Marean****"THE BONNY  
BEDDERS"**

Try This in Your Garden

14 FT.						
			B			
6 FT.	E	D		A	F	G
			C			

- A. Bonny Blue** (Dec.)—P. 23.  
**B. Delicatissima** (Show).  
**C. Winfield Slocombe** (Dec.).  
**D. King of Commerce** (Dec.).  
**E. A. D. Livonia** (Show).  
**F. Mrs. H. R. Wirth** (Cactus).  
**G. Mrs. Wellesley** (Show)

**3 of each** (21 plants) **\$5<sup>00</sup>**  
 by mail postpaid, for

or  
**1 of each** (7 plants)  
 for a 7½ ft. circular bed..... **\$1<sup>85</sup>**

**Bonny  
Blue****30¢**

**30 Cts. EACH**  
**3 FOR 85 Cts.**  
**\$3.00 Per Doz.**  
**POSTPAID**

**A. D. Livonia.** (S). Warm rose-pink, perfect flowers, with overlapping quilled petals.

**Avalanche.** Single flowers about 3 inches, frost white, except for a pink flush when first awakened; center prominent in deep gold.

**Countess of Lonsdale.** (C). Longest season and freest bloom of any type; flowers large and perfect, an exquisite blending of amber with both red and pink salmon.

**Delicatissima.** (S). The broad-mouthed quills are a luscious cream, the close center focusing a rosy pomegranate which flits sketchily over intervening tips to a warm suffusion in the outer rows.

**Fire King.** (S). Ruby red; a broad button center with alternating bronze and garnet tips.

**Judge Marean.** (D). Changing color range is salmon-pink, red and iridescent orange to yellow and gold.

**Kalif.** (C). Vivid turkey red; center a compact tuft.

**King of Commerce.** (D). Medium, free-blooming, yellow, evenly tanned, with a red swarthy at center.

**Mannheim.** (Peony fl.) Cherry salmon suffused with rose, underside bright rose. The general effect of a row of nodding stems is sparkling; showing first salmon, then rose—as the wind blows.

**Maude Adams.** (S). Early and free; white with a slight lavender suffusion inclined to focus at the close center.

**Mrs. Henry R. Wirth.** (C). Early, continuous, medium sized flowers; intense, glossy, cardinal red.

**Mrs. Wellesley.** (S). Creamy white, heavily tipped solferino and crimson. A charming bowl-bouquet subject.

**Oregon Beauty.** (D). Profuse, giant, ball-shaped; intense oriental red, suffused garnet with a golden sheen.

**Patrick O'Mara.** (D). Flowers large, perfect, on long, stiff stems; chrome yellow with salmon red suffusion.

**Princess Pat.** (D). Flowers of immense size and perfect shape with firm center; a pleasing shade of old rose.

**Susan.** (S). Extraordinarily free-blooming; with large globular flowers, long-stemmed and lasting; a very attractive mingling of rose-pink and white. One of the best for cutting.

**Winfield Slocombe.** (D). A particularly showy garden type, its short growth and fern-like foliage practically concealed by the profusion of its large, compact bloom. The color is a brilliant golden orange, charming under artificial light when displayed to its best advantage in a shallow bowl-shaped vase.

**Yellow Colosse.** (D). Large; solid primrose yellow; one of the most dependable and satisfying yellow varieties in the decorative class.

**King of Commerce****Countess of Lonsdale****Maude Adams**

Those "Bonny Bedders" are all low-growing, bushy, extremely free and continuous blooming.



# PLANT DEPARTMENT

## Summer Bedding Plants—House Plants—Tender Vines



**Strobilanthus**



**Sansevieria  
Zeylanica  
"Leopard Plant"**



**Maranta**



**"Fountain Plant"  
or Thysanotus Rutilans**

### CONDENSED LIST

**PRICES:** All prices under this department are priced for postpaid delivery by mail, on dozens or less—unless otherwise specified. Express shipments are not prepaid.

**Acalypha Sanderi.** (Chenille Plant.) Foliage deep glossy green; the flowers being fuzzy, bright red rope-like pendants, often 18 to 20 inches long, drooping from the axil of each leaf. They make showy specimen pot plants, and are very cheerful summer bedders. 25 cts. each; 3 for 65 cts.

**AGERATUM.** The flowers appear in great profusion all the season, in rounded terminal umbels, each floret a small round bur of protruding, but soft bristles. They appear to greatest value as an edging, or massed.

—**Wilsoni.** Beautiful clear blue in large clusters, 6 to 8 inches high, a showy plant of globular shape, covered with bloom.

—**Sunrise.** A dainty new variety for contrast; the burs white flushed pink, with distinct wine red center; very pretty.

**PRICES:** 20 cts.; \$1.50 dozen. By Express, \$10.00 per 100.

**ALOYSIA Citriodora.** The well known "Lemon Verbena," noted for its delightful fragrance of foliage. 20 cts.; \$2.00 per dozen.

**AUCUBA Japonica Punctata.** (Gold Dust Plant.) A fine bold plant, especially attractive as large specimens, useful and graceful as palms for hall decoration and a splendid subject for the summer veranda. Leaves are broad; rich shiny green thickly spotted with gold. 3-inch pots, 35 cts. each; 3 for \$1.00.

**BUDDLEIA** (Butterfly Bush). A half-shrub very popular for late summer display and cutting. See also under Shrubs.

—**Farquhari.** Rather dwarf, compact growth; with numerous medium sized lilac-purple flower spikes. 25 cts.; \$2.50 per dozen.

—**Magnifica.** The hardiest for all sections when used outdoors as a permanent shrub. Flower spikes 10 inches in length by 3 in diameter are not unusual. Color, deep violet-rose, with an orange center. 25 cts.; \$2.50 per dozen.

**CYPERUS Alternifolius** (Umbrella Plant). For water or damp soil; throwing up stems 2 to 3 feet high, surmounted with a whorl of slender drooping leaves. The flowers are small, cream-colored, in terminal clusters. 25 cts. each; 3 for 65 cts.

**DRACENA Indivisa.** Numerous slender, grass-like, but rigid, green leaves, the favorite center plant for box, vase and basket planting. 2½-inch, 20 cts.; 3-inch, 35 cts.; 4-inch, 50 cts. By express, 5-inch, \$1.00.

**MARANTA Kerchoviana.** A popular old foliage plant with big round leaves of light green distinctly mottled with maroon spots. Dwarf and bushy pot plant. 35 cts.

**PANDANUS Veitchi.** Graceful arching foliage, light green, striped lengthwise with broad bands of pure white. An attractive decorative plant that stands ordinary house culture well. By express: 4-inch pots, \$1.00; 5-inch pots, \$1.50.

**PANSY PLANTS.** Thrifty started plants already in bloom. Colors and markings widely varied, and very beautiful. 50 cts. per dozen; \$3.50 per 100. By express—\$3.00 per 100; \$25.00 per 1,000.

**PELARGONIUM—Mrs. Loyal.** (The genuine "Pansy Geranium.") Rounded, satiny, its colors range from a crimsoned chocolate center through pink to white at the edges. 25 cts.; 3 for 65 cts.; \$2.50 per dozen.

**PEPEROMIA.** A comparatively new decorative plant type which is being demanded in excess of supply; you also would enjoy them.

—**Obtusifolia.** The oval convex leaves are of large size, plentiful; a shiny, smooth surface of fresh brilliant green.

—**Sandersi** ("Watermelon Begonia"). Elongated to round convex leaves, dark green striped gray like a melon.

**PRICE:** Both kinds—40 cts. each; 3 for \$1.00.

**SALVIA NOVELTIES.** An interesting departure from the so well known red Salvias (see listing under Pot Grown Annuals), which converts these two items from mere borders to specimen garden subjects.

—**Pink Salvia.** Short growth, bushily compact; early and free bloom in broad heavy spikes; rich salmon pink.

—**White Salvia.** Equal to its companion; clear cream white.

**PRICE:** Both kinds—15 cts. each; \$1.50 per dozen.

**SANSEVIERIA** (Assyrian Leopard Plant). A hard-surfaced, stiff, decorative plant of upright growth, with distinctly marked thick leaves. Will stand a lot of hard household usage.

—**Zeylanica.** Comes down from ancient history with reverence and affection. Dark green wavy leaves 3 inches broad to 4 feet high; striped crosswise with wide jagged white bars. 2½-inch pot plants, 35 cts.; 3-inch pot plants, 50 cts.

—**Laurenti.** A recent introduction, the variegation being a rich cream instead of white, with a complete cream margin. 4-inch pot plant—2 to 3 leaves—\$1.00.

Larger specimen—\$3.00 each.

**STROBILANTHUS Dyerianus.** A beautiful foliage pot plant as well as garden bedder. Forms a compact bush 18 inches high, with 6 to 9 inch leaves of metallic purple, rose and light green; flowers violet blue in great racemes. 20 cts.; \$2.00 per dozen.

**THYSANANTHUS Rutilans** (Fountain Plant). Mostly used as pot specimens; its pendant, close-set braids of short tubular flowers a vivid coppery carmine. 25 cts.; 3 for 65 cts.

**VERBENA.** The choice Oxford Strain, vastly superior to other types with very large florets, broad umbels, and better foliage.

—**Oxford Cerise** and —**Oxford Pink** (Shell pink and coral).

**Both:** 20 cts. each; \$2.00 per dozen.

**VIOLETS.** We offer two choice standard varieties, Freys Fragrant and Princess of Wales.

**Both:** 20 cts.; \$2.00 per dozen. By express, \$15.00 per 100.



**ABUTILON [Flowering Maple]**

Popular as pot plants, and for summer bedding, vases and baskets. The flowers are deep bell-shaped, in various colors, solitary, well distributed over the plants, borne in profusion throughout the entire season.

**Daydawn.** Flowers bright daybreak pink.

**Golden Bell.** Profuse golden bloom.

**Snowstorm.** Flowers pure white.

**Souvenir de Bonn.** Deep green maple-shaped leaves, irregularly bordered with creamy white. Orange flowers, veined crimson.

**Splendens.** A beautiful deep red flowered variety; dwarf growing, with foliage a pleasing shade of green.

**Thompsoni.** Flowers of salmon-pink, foliage blotched with yellow, a charming combination. We sell hundreds of these to visiting customers for their beauty as pot plants.

**PRICE:** All, 25 cts. each;  
3 for 65 cts.

**BEGONIAS**

A family noted for unremitting, profuse bloom of strong coloring and refined appearance. The "Flowering" type are strong growers with handsome foliage of varied character, besides the appeal of their lovely flowers, much used for inside decoration. The "Bedding" class are well known stand-bys for summer close bedding. The "Rex" are enjoyable as potted foliage plants, or in box and basket work. The "Tuberous Rooted" type are magnificent summer garden items, or for fancy forced pot-bloom in winter boxes.

**REX BEGONIAS**

The broad leaves, high colorings and exquisite markings of Rex Begonias make them invaluable as decorative house plants and for baskets and vases, if given plenty of moisture and not exposed to the full rays of the sun.

**Mixed varieties—30 cts. each; 3 for 75 cts.**

**TUBEROUS ROOTED**

See Bulbs and Tubers on page 16



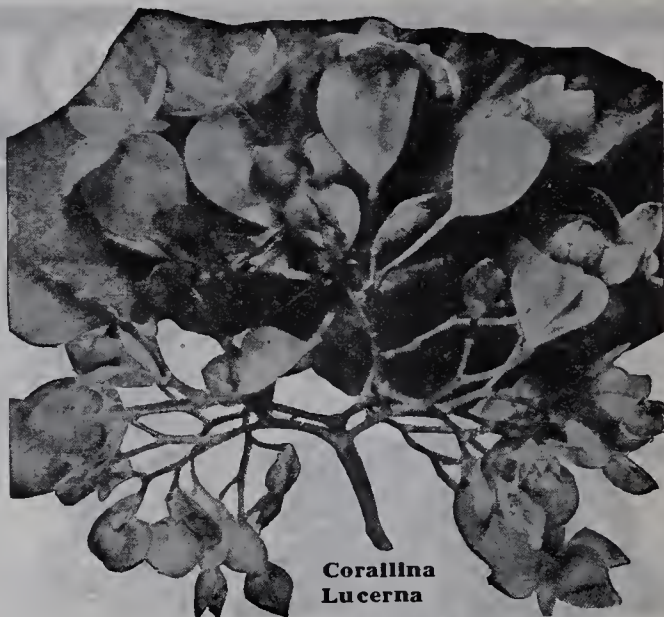
**BROWALLIA**  
**Blue Glant.** A conspicuous plant, with numerous single flowers of deep indigo blue, fully 2 inches in diameter, blooming continuously. Equally for beds, pot plants, boxes and baskets. 15 cts.; \$1.50 per dozen. By express, \$10.00 per 100.



Rex Begonia



Begonia—  
Argentea  
Guttata



Corallina  
Lucerna

**FLOWERING BEGONIAS**

Few families of house plants are so entirely satisfactory in every way as the Begonias. They are rich in color and beautiful in design, and in all classes are easily handled.

**Argentea Guttata.** Purple bronze leaves, oblong in shape, with silvery markings; white flowers.

**Corallina Lucerna.** A splendid upright, vigorous grower, with long leaves of spotted olive green, a bright wine-red beneath. Enormous trusses of perfect coral red flowers make this variety one of the showiest and most desirable kinds in cultivation. 30 cts.; 3 for 75 cts.

**Otto Hacker.** In a class by itself. A strong vigorous grower, of fine upright habit, with large shining deep green leaves eight to ten inches long. Flowers bright coral red, borne in immense clusters eight to ten inches across. 30 cts.; 3 for 75 cts.

**Rubra.** The flowers are a rich coral red hanging in large pendant clusters. One of the best.

**Thurstoni.** Under side of leaves is rich, purplish red, veinings prominent, upperside bronzy green, shaded with crimson and olive, peculiar glossy metallic luster over all. Flowers rosy white in large clusters. 30 cts.; 3 for 75 cts.

Unless noted, 20 cts.; 3 for 50 cts.

**BEDDING BEGONIAS**

**Gracilis Luminosa.** A magnificent Semperflorens, with flowers large, perfect and plentiful, and never out of bloom. Color the brightest scarlet.

**Prima Donna.** A good bedding Begonia with large, free flowers of bright pink.

**White Pearl.** Large, waxy white flowers; practically everblooming; growth rapid and bushy.

**PRICES:** 20 cts. each; 3 for 50 cts.; \$2.00 per dozen. By Express \$15.00 per 100.

**CARNATIONS**

**Culture.** Carnation plants should be repotted whenever there is indication of their becoming pot-bound. Transplanted into the garden after all danger of frost is over, and given at least 12 inches of space, with good soil and cultivation, these plants should furnish abundant bloom from July until late Fall or may be kept "pinched back" to retard bloom, potted up at approach of frost and brought inside for winter blooming.

**Betty Lou.** Brilliant rose pink.

**Golden Glow.** An even shade of light yellow.

**Laddie.** The most popular salmon pink ever produced. Extra size, perfect shape, wonderful color. 25 cts. each; \$2.50 per dozen.

**Matchless.** Perfect white, of large size.

**Radlollite.** A splendid new bright scarlet.

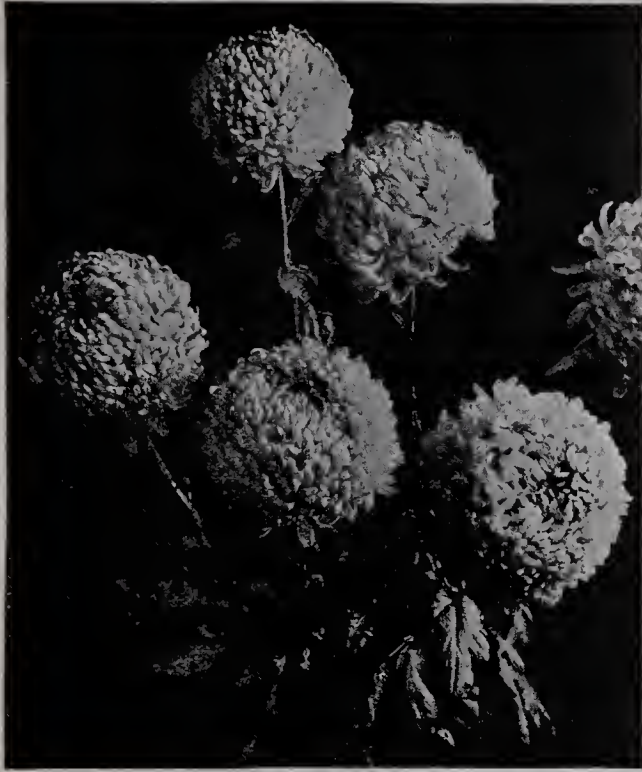
**PRICES:** Unless stated, 20 cts.; \$2.00 per dozen. By Express, \$12.00 per 100.

\*See new Hardy Carnation, — page 37.



The Scented Carnations





Detroit News

## COLEUS

Broad-leaved, bushy foliage plants unmatched for brilliancy and unique arrangement of colors. Some of the fancier sorts are in designs as indescribable as the traceries of frost.

**Beckwith's Gem.** The center is dark velvety maroon, bordered fiery red, the edge green, changing to creamy yellow at the point of the leaf.

**Cecil Brown** (Trailing Queen). One of the most attractive for close bedding, boxes and hanging baskets. Rather small scalloped leaves of dark green, evenly checked with curving maroon lines; the wedge-shaped center gay with magenta and cream.

**Crescent.** Velvety red-maroon with a pink wedge edged Nile green.

**Daytonia.** Yellow, red and green.

**Eddie George.** The biggest leaves are 4 by 6 inches, heavily grained with a beaded gold edge. Solid velvety bronze red brown. 25 cts. each; \$2.50 per dozen.

**Firebrand.** One of the darkest in general effect. Edges dappled red.

**Glory of Autumn.** Most vivid autumnal colorings in great variety.

**Golden Crown.** Brightest yellow for bedding.

**Her Majesty.** Rich, warm red-brown within a beaded edge of gold.

**Hollywood.** Clustered small, crinkled leaves defined by yellowish green scallops; threaded tapestry in red and moldy bronze, carmine and madder rose. 25 cts. each; \$2.50 per dozen.

**Pride of Painesville.** Distinctly ruffled. Velvety ebonized brown, with large central segment of carmine red, scallops bright green with a red dot at base. 20 cts. each; \$2.00 per doz.

**Princess.** Velvety purple madder brown; green edge, magenta midrib.

**Queen of the West.** Creamy white, green, yellow, carmine and maroon.

**Verschaffelti.** Rich, velvety crimson.

**PRICES:** Unless stated, 15 cts. each; \$1.50 per dozen.

By Express, \$8.00 per 100.

### PARIS DAISY or "Marguerite"

The Marguerites are a delight in the garden where their conspicuous flowers, and rich green, indented foliage blend harmoniously with other bedding plants. Used to advantage in summer boxes, or winter pots.

**Boston Yellow.** Single flowers, very free; deep canary.

**Mother's Favorite.** Semi-double; white, with distinct anemone center.

**Mother's Pearl.** Fully double, like a chrysanthemum; pure white. 20 cts. each; \$2.00 per dozen.



Paris Daisy

## CHRYSANTHEMUMS

THE magnificent, large flowered, fancy sorts may be forced and developed under glass, to the highest state of perfection; but are not hardy enough to survive the rigors of winter outdoors. Although their season is short, they will bloom freely during the fall and before winter sets in. Buy young plants each season, like Geraniums; their first bloom is best.

### LARGE FLOWERED TYPES

(E) for Early; (M) for Mid-season; (L) for Late.

**Crystal Queen.** (E.) An Early pure white, flowers 6½ inches in diameter; the plant growth strong, with heavy stems.

**Detroit News.** (E.) A beautiful rich bronze; at first closely incurved showing the golden reverse, but gradually reflexing, the bronze tone becomes prominent. The flowers have remarkable substance, and keep longer than most varieties.

**Golden Glory.** (M.) A fine, deep yellow color, and of excellent form and free-blooming quality; good for pot specimens.

**Harvard.** (L.) Has a "collegiate" aspect popular on football fields, for its shaggy reflexed form and deeply crimson color.

**Oconto.** (M.) A beautiful white Japanese type. Moderate size but perfect ball shape; quite hardy for garden planting.

**Pink Mistletoe.** (L.) Its blush white parent is standard for beauty and desirability; this sport is equally good in a warm shade of pink.

**Quaker Maid.** (M.) Pure white, very large, and beautifully formed. A particularly refined and pleasing appearance.

**Smith's Enchantress.** (E.) Uniformly intense rose pink; extremely prolific. Probably the most dependable of all early pinks.

**PRICES:** Each—25 cts.; dozen—\$2.50; By Express, \$15.00 per 100.

### S. & H. DUSTY MILLER

[Senecio Leucostachys]

An erect, tall-growing, heavily branching type displaying a close network of skeleton leaves, silver white at all times. A splendid unit in box or basket for contrast, and as a single pot plant, besides its effectiveness in the summer border. Our stock has been identified by Professors Bailey and Wilson, who have observed it from several widely scattered sources; but supply is very limited. We believe this type to be the best upright, bulky "Dusty Miller" ever marketed.

2½-inch pots—20 cts. each; \$2.00 per dozen; \$15.00 per 100 by express.







### FERN DISH COLLECTION

We are growing a varied assortment of small odd-shaped ferns which make up delightfully together in jardiniere and table boxes. We will mail 6 plants of these charming little ferns, each distinct in color and form, our choice of varieties, the 6 for.....

**85c**

### FUCHSIAS

Highly prized for winter blooming, also popular for summer beds in partially shaded situations, and for color-spots in porch boxes and baskets.

**Avalanche.** Golden green foliage and large double flowers with dark purple corolla.

**Giant Pink.** Characteristically similar to Mrs. Hill, but with more petalage, and with the deep pink of the calyx heavily veining the corolla. 25 cts. each; 3 for 65 cts.

**Little Beauty.** Dwarf growing. A most free-blooming variety, seldom without flowers. Sepals carmine, corolla deep lilac. Single. 25 cts. each; 3 for 65 cts.

**Mrs. E. G. Hill.** Sepals bright crimson with large pure white corolla; double.

**Pride of Orion.** Semidouble with long narrow pointed sepals of brilliant carmine; the fluted corolla pure white, with long pink stamens. 30 cts. each; 3 for 75 cts.

**Speciosa.** A thrifty grower with ornamental foliage; the green leaves showing red veins at base. Single, pale carmine sepals, deep scarlet corolla.

**PRICES:** Unless stated, 20 cts. each; \$2.00 per dozen.

## GERANIUMS

Geraniums are being crowded out of their erstwhile prominence as main beds for the lawn, but can never be supplanted in box or basket, cemetery or parks.

The following are **double flowered** unless marked (\*). **From 2 1/2 in. pots.**

**Alphonse Ricard.** Bright orange red.

**\*Beauty Poltevine.** Rosy salmon, shaded from deep orange to pure salmon.

**Bertha de Pressilly.** The only double pink Geranium that does not fade.

**Jean Oberle.** An exquisite shade of hydrangea or "apple blossom" pink, fading to white at the outer edges; florets and truss extremely large.

**Mme. Buchner.** Best of the double pure whites.

**Mad. Salleroy.** A very compact variety of Silver Geranium; very effective for bordering. A thrifty, healthy grower, quickly reaching a dense 8 x 8 inch size; leaves very small, bright silver green, edged white. \$1.00 per dozen; by express \$8.00 per 100.

**Radio Red.** A new double red, pure vermilion scarlet. Its clear brilliancy, displayed in thick clusters of large florets, is thrilling and satisfactory. Does not burn or bleach. 25 cts.; \$2.50 per dozen.

**Ruby.** Large trusses on extra long stems, the color shade remindful of scarlet. Marquis de Castelaire; deep rosy scarlet, the upper margins pure scarlet. 25 cts. each; \$2.50 per dozen.

**S. A. Nutt.** Dependable for a constant blaze of crimson from May until snow.

**Rose Scented Leaved.** Broad skeleton leaf type; very popular.

**PRICES:** Unless noted, 15 cts. each; \$1.50 per dozen.

### GERANIUMS AVAILABLE AFTER MAY 1ST:—

From 4-inch pots, separate colors—Red, Pink and Salmon. 30 cts. each. By express—\$3.00 per dozen.

## FERNS

Most varieties love the sun, and thrive to best advantage if located near the sunniest window, occasionally turned, and given a dutiful attention to watering.

**Boston.** (S. & H. Semi-Dwarf). A new improvement characteristic of Boston, but fronds have more substance, arrangement is more compact and development less hurried. 2 1/2-inch pots—20 cts. \$2.00 per dozen. 4-inch pots—50 cts. each. 5-inch pots—\$1.00 each. 6-inch pots—1.50 each.

**Norwood.** A handsome new variety exemplifying the finest type of "Ostrich Plume" foliage; with a stiff mid-rib which makes the fronds stand up better than other lace-ferns. 2 1/2-inch pots, 25 cts. each; 4-inch pots, 75 cts. each; 5-inch pots, \$1.50.



Mrs. E. G. Hill Fuchsia



Radio Red

### HELIOTROPE

This altogether delightful old plant has ever been a great favorite among those who enjoy garden perfumes.

**Centefleur.** Dwarf growing with fine, neat foliage, florets wide and flat, deep true heliotrope, with conspicuous white eye. Sprays are of the largest size, covering plant completely. 25 cts. each; \$2.50 per dozen.

**Royal Frangans.** Extremely dark violet purple in extra large florets compactly set in heavy cymes. 30 cts. each; \$3.00 per dozen.

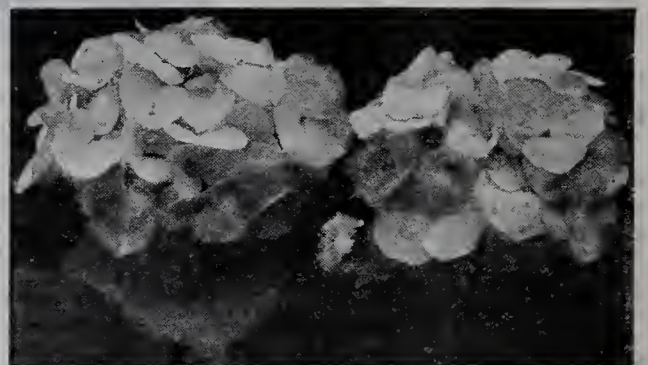
**Snow Wreath.** Blooms in large trusses of clean white flowers. This has sweetest perfume; and mixes prettily with the blues. 20 cts. each; \$2.00 per dozen.

### HIBISCUS SINENSIS

Strong growing tropical plants with handsome glossy foliage. In a warm sunny window they make fine decorative plants and bloom profusely. In open ground they make a gorgeous summer display.

**Peachblow.** Flowers double; of a rich shade of clear pink, with small, deep crimson center. 4 to 5 inches in diameter. Blooms freely even on small plants. 25 cts. each; 3 for 65 cts.

## HYDRANGEAS



A valuable plant either for summer garden, tubbed porch and terrace decoration, or as a blooming pot plant inside.

The flowers of varying color are compact, rounded trusses of five to ten inches breadth, the individual florets mostly single and flat of 3/4 to nearly 2 inches diameter.

Not hardy in the Northern states, and should be brought into the house before freezing fall weather. A cool, light cellar location is preferable with occasional watering, but keep them dormant even if a cooler temperature is found necessary. Early in spring bring up and apply water liberally.

**TRIAL SET** 3 plants assorted by mail Postpaid.....  
Or—6 plants assorted 90c

**50c**





## LANTANAS

Profusely blooming bedding plants, growing 12 to 18 inches high, also popular in baskets and boxes. They are in bright, catchy bloom continuously from spring until fall; at all times emitting a pleasant, pungent fragrance. The flowers are small, two-toned bright-eyed cups, set closely together in rounded umbels 2 to 4 inches across.

Each—20 cts.; doz.—\$2.00; 100—\$14.00.

**Alba Perfecta.** Creamy white; a charming companion. **Countess de Blencourt.** Brilliant rose-pink surrounding a center of creamy yellow.

**Craigl.** Dark, cardinal red velvet, its center studded with gold; extremely florescent.

**Jacob Schultz.** Rich, velvety crimson-wine, with a varying center of blood orange; the darkest.

**SPECIAL 3 of each (12 plants) by mail, postpaid \$1.75**

**Weeping Lantana.** A fine plant for winter flowering in pots, or small summer hanging baskets. Delicate rose lilac in compact umbels, borne freely all over the plant from the base of each leaf stalk, in long, drooping flower-laden sprays. Each—20 cts.; 3 for 50 cts.

## PETUNIAS

**Double Flowered.** We list five distinct color types which are almost perfect balls of wrinkled petalage. They furnish an unlimited amount of bloom throughout the summer. **Red, Pink, Purple, White and Variegated.**

Each—20 cts.; doz.—\$2.00. By express—\$14.00 per 100.

**Double Rosy Morn.** A remarkable novelty; dense, deep brilliant rose pink color. A distant border of them looks like Carnations, or Baby Ramblers.

20 cts.—\$2.00.  
**Elks Purple.**

The magnificent "color" of the Elks Order. The single flower is of giant proportions; gracefully rolling, with five-pointed lobes. The color is solid, richest purple with a velvety black lustre. Very free blooming.

20 cts.—\$2.00.



Double Rosy Morn Petunia

## TENDER VINES For Hanging Basket; Porch and Window Box; Wall Bracket; Indoor Trellis and Summer Strings.

**ASPARAGUS.** General utility trailing plants with brilliant green foliage.

—**Plumosus Nanus.** Feathery, lace-like foliage on thin hard stems; the long emerald sprays making a rich setting for cut flowers.

—**Sprengerl.** Mostly used in boxes and baskets, where its long, dense trails of tiny tubes provide the very best dark green streamers of any vine.

**Both:** 20 cts. \$2.00 per dozen. 4-inch pot plants, 35 cts.; \$3.50 per dozen.

**FICUS Repens.** A dense creeping or trailing vine of moderate growth, with little shiny leaves, useful and ornamental for covering stone or wooden conservatory walls. 20 cts. each; \$2.00 per dozen.

**IPOMEA Grandiflora (Moon Flower).** For outside stringing after May 1st. Satiny white flowers, 5 to 6 inches in diameter, borne abundantly thruout a long season, opening at sundown, emitting a rich Jessamine odor at night, and closing about noon. 20 cts.; 3 for 50 cts.



Variegated English Ivy

**English Ivy.** (Hedera Helix.)

Best Ivy for the house. Foliage is rich, waxy green with lighter veins, and is very attractive against paper or woodwork. Many people use the vines that have trailed from pots during the winter, to decorate and veil their summer boxes.

2½-inch pots, 20 cts.; \$2.00 per doz.

4-inch pots, 40 cts. each; 3 for \$1.00.

**Variegated English Ivy.★**

A splendid new Ivy with leaves larger and less indented than the type, on shiny purplish red stems; a clear cream-white, with a ragged, mottled dark green central blotch. The most distinctive, sumptuous and aggressive variegated leaf vine in practical use.

2½-inch pots, 35 cts.; 3 for \$1.00.

4-inch pots, 60 cts. each; 3 for \$1.50.

**Parlor Ivy.** The well-known German Ivy for walls, hanging baskets and urns; pretty, light bronze green with

five to seven points. 15 cts.; \$1.50 per dozen.

**MANETTIA VINE.** Completely filled at all times with small tubular flowers of brilliant scarlet, with yellow tips. Desirable for baskets, vases or small trellises, on account of their fiery bloom. 15 cts. each; \$1.50 per dozen.

**PASSIFLORA Pfordti (Passion Vine).** The four to six inch fragrant flowers are waxy; sepals greenish white; petals pink; the numerous needle-like filaments black-purple at base, then blue-purple, with pointed white tips; the heavy protruding stamens branched like a cross. Foliage is plentiful; dark green, in three broad lobes and heavy base. 25 cts. each; 3 for 65 cts.

**PHILODENDRON Cordatum.** Wide heart-shaped leaves, shiny dark green, on thick, twisty stems. A thrifty climber much sought after for fancy indoor vining effects. 40 cts. each; 3 for \$1.00.

**POTHOS Aureus.** Another newly popular broadly heart-shape, leafy vine, clear green spotted yellow. A strong climber, the roots clinging to damp masonry. 40 cts. each; 3 for \$1.00.

**SAXIFRAGA Sarmientosa (Strawberry Geranium).** A choice box and basket plant. The main plant throws a cluster of wide, round leaves, green heavily veined white, the under surface red. The early summer flowers are small in slender spikes, the white petals spotted yellow and red. Then the plant throws out runners like strawberry plants, which droop gracefully to increasing length, each streamer clothed with rosettes of foliage. 25 cts.; \$2.50 per dozen.

**TRADESCANTIA (Wandering Jew).** Thick, waxy, lance-shaped, brilliantly striped foliage.

—**Striata.** Bright green, striped creamy yellow, with grayish green reverse.

—**Cyanotis Multicolor.** Striped maroon and silver. 2¼-inch pots, 15 cts. each; \$1.50 per dozen.

**VINCA Major Variegata.** More of this used for baskets and vases than any other two basket plants. Beautiful variegated green and white foliage; strong trailing habit of growth; the bright blue Myrtle flowers contrasting prettily against the creamy white pattern in the leaves. 15 cts.; \$1.50 per dozen.

By express, 4-inch pots, 35 cts.; \$3.50 per dozen.

**VITIS Rhombifolia (Japanese Grape Ivy).** A strong branchy vine remindful of both Wild Grape and Ampelopsis, which grows rapidly and luxuriantly as a trailer. 25 cts. each; 3 for 65 cts.

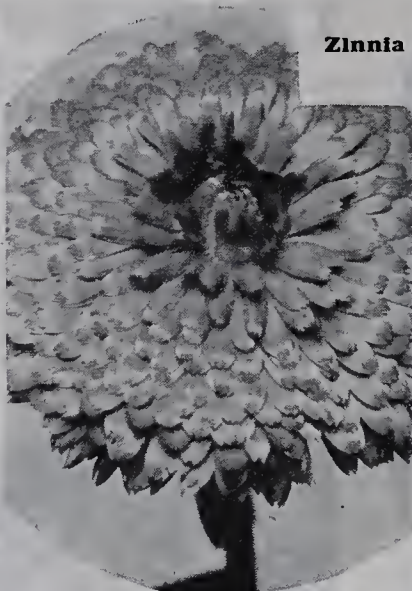


Saxifraga

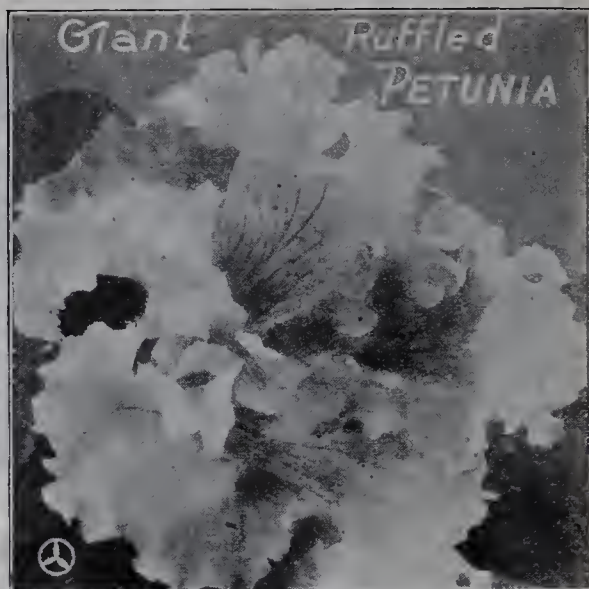




**Dwarf Marigold (Tagetes Pumila)**  
A choice edging plant



**Zinnia**



## DISH GARDENING

A fad perhaps, but an indoor gardening pursuit of intense fascination. The idea is to take a shallow pot, pan or box and plant it according to your own conception and ingenuity so that it will obviously represent some landscape scene! The layout will illustrate your artistic sense; the plants and trinkets required will tax your ingenuity to provide. Moss for grass is the easiest substitute; bridges, temples, camels, etc., can be bought at the 5 and 10's; but trees and shrubs must be aped by little plants.

### HERE ARE A FEW SUGGESTIONS:

**CRASSULA Arborescens.** The fine old "Jade Plant" which keeps steadily progressing in tree-like growth until it may need a tub to hold it after several successful years. The leaves are rounded, thick and rubbery, quite plentiful on the rigid branches; murky bronze-green.  
40 cts. each; 3—\$1.00.

**CRASSULA Lycopodioides.** Slender, upright branching stems thickly beaded with tiny green leaves. May be used as "Junipers." 30 cts. each; 3—75 cts.

**CYPERUS Alternifolius.** See page 25. A good substitute for "Palm Tree." 25 cts. each; 3—65 cts.

**ECHEVERIA Glauca.** Rather large rosettes of glaucous green leaves which curve upward, slightly purple tipped. Flowers red with yellow tube in a one-sided raceme on arching 12-inch stems. 30 cts. each; 3—75 cts.

**ECHEVERIA Weinbergia.** Similar to above, with fawn shading on the leaves. 30 cts. each; 3—75 cts.

**GREVILLEA Robusta** (Silk Oak). Shape of an oak tree; lacy foliage bronze gray; thickly branched. 20 cts.; 3—50 cts.

**PACHYSANDRA.** See page 48. 20 cts. each; 3—50 cts.

**PILEA** (Artillery Plant). Makes a fine "wind-bent shrub," or an ancient olive tree. As a pot plant it is a dense, rounded mass of tiny round leaves, with tiny yellowish flowers. 30 cts. each; 3—75 cts.

**SELAGINELLA** (Moss Fern). Imitates dense shrubbery. A fine edging in fern dishes. 20 cts. each; 3—50 cts.

**DISH GARDEN SET** one each (9) **\$2.00**  
Postpaid

## POT-GROWN ANNUALS

### A Boon to Gardeners

We sow the seed, pot the plants, develop them in our greenhouses, and have the following fine list of favorite annuals well developed, **ready to send out about May 1st.**

See descriptions under Flower Seeds, or Plants.

<b>African Daisy</b> (Arctotis)	<b>Hunnamannia</b> (Bush)	<b>Petunias, Balcony</b> (\$1.25
<b>Ageratum Tom Thumb</b>	<b>Eschscholtzia</b>	per doz., \$7.00 per 100)
<b>Alyssum</b>		<b>Phlox Drummondii</b>
<b>Asters, to color in the</b>	<b>Kochia</b> (Summer Cy-	<b>Salpiglossis</b>
<b>main classes</b>	<b>press)</b>	<b>Salvia</b> (Red)
<b>Bachelors Button</b>	<b>Larkspur</b> (Annual)	<b>Scabiosa</b>
<b>Browalia Speciosa</b> (\$1.50	<b>Lobelia</b> (trailing and	<b>Schizanthus</b>
per doz., \$10.00 per 100)	<b>edging kinds)</b>	<b>Snapdragons, in variety</b>
<b>Calendula</b>	<b>Marigold: in variety</b>	<b>Stocks</b>
<b>Centaurea Imperialis</b>	<b>Nigella</b> (Love-in-a-Mist)	<b>Strawflowers</b>
<b>Centaurea Americanus</b>	<b>Petunias</b> (Single)	<b>Verbenas, in variety</b>
(\$1.50 per doz., \$10.00		(from seed)
per 100)	<b>Rosy Morn, Triumph</b>	<b>Wallflowers</b>
<b>Clarkia</b>	<b>and Giant Ruffled</b>	<b>Zinnias, all types</b>
<b>Dusty Miller</b> (Centaurea)		

**PRICE:** Except noted, by mail, \$1.00 per dozen.

By express—75 cts. per dozen, \$6.00 per 100.

## Mail Order Bargain Collections

of plants at half price—15 different sets 85c each postpaid

These bargain collections can be offered cheap because they are assembled in large quantities and at one time, at a minimum handling expense. You get the same quality of plants that you would receive were they purchased as single items and save practically half the cost.

### Choice Varieties

Select the sets you want, but the choice of varieties must be left to us. Plants and bulbs used in filling these collections are not the cheapest varieties by any means. Often we include many novelties and especially good varieties of which we have a surplus.

Mention Set Numbers wanted.

Our Selection of Varities.

Each Set Postpaid, for . . .

The prices of all collections are NET except that we will send 5 collections for . . . \$3.75

**85c**

- Set No. 1—5 Hardy Asters, assorted.
- Set No. 2—6 Carnations assorted.
- Set No. 3—6 Double Petunias, assorted.
- Set No. 4—6 Begonias assorted.
- Set No. 5—5 Hardy Daisies, assorted colors.
- Set No. 6—6 Hardy Mums, in 6 varieties.
- Set No. 7—4 Lily bulbs,—good, hardy easy kinds.
- Set No. 8—8 German Iris, 8 varieties.
- Set No. 9—30 Gladiolus bulbs—mixed varieties.
- Set No. 10—8 Choice Herbaceous plants, all different.
- Set No. 11—6 Hardy Phlox, 6 varieties.
- Set No. 12—5 Dahlias, in 5 varieties.
- Set No. 13—6 Fern Dish Ferns, in assortment.
- Set No. 14—5 Hardy Columbines, assorted.
- Set No. 15—5 Zephyr Lilies; 5 Tuberose.

Set No. 9

If you have missed the listing of a plant you need, ask us—we may have it.



# ROCK GARDENS—The New Vogue in Gardening

## How to Make a Rock Garden



EVERYBODY is making rock gardens these days. Even on the small lot there is some place where a tiny rock garden may be tucked away; the compactness of a rock garden is one of its charms. There is no end to the interesting combinations of rocks and plants. Pygmy mountains, Lilliputian valleys, can be built of rugged rocks; a trickle of water pretend a mountain torrent, losing itself in a mirror pool.

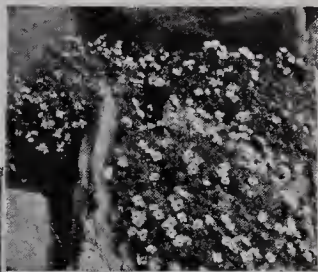
**Location.** A spot in full light and air, away from shade trees, is best. Any slope, too, can be used. Transforming into a rock garden is often the happiest treatment for a slope. Take advantage of any out-crop of natural rock about your grounds.

**Planning.** Make your rock garden a reproduction of nature in miniature. Strive for natural surroundings for rock-loving plants. While there is charm in unusual layouts, orderly arrangements of rocks and planting are most pleasing. Your rock garden may be just a wall, or large enough for ridges, valleys and even bogs. Picture the finished form before starting construction. The plan may be anything fancy dictates but when possible it should have steps and paths about it. Irregular paths are most interesting, with walks following the valleys.

**Rocks.** The best rocks to use are those between the round or boulder type and the flat or flagstone type. Save the latter for walks and steps. Rocks should not all be of the same size; a few large ones add effectiveness. Too many small stones make the effect spotty and unnatural.

**Soils.** Usually a prepared soil of equal parts (1) vegetable fiber; (2) garden loam, free from clay; and (3) sharp, coarse sand, is best. Vegetable fiber may be leaf mold, old sod, or turf from the woods if well decayed. In cities it is easy to procure prepared peat fibers. Barn-yard manure is too rich and heavy for rock plants.

Aubretia among the rocks.  
A popular rock plant



This rock garden was constructed just outside the living room, adjacent to a terrace

**Construction.** Have soil prepared in advance. Excavate or grade existing soil to proper contour. Then lay the rocks, lower ones first. Choose and place rocks so that there is more plant surface than rock in the finished effect. Place them as naturally as possible; long rocks nearly horizontal and parallel to face of the slope.

{Subject continued on page 32}

## List of Worthy ROCK PLANTS Easy to Grow

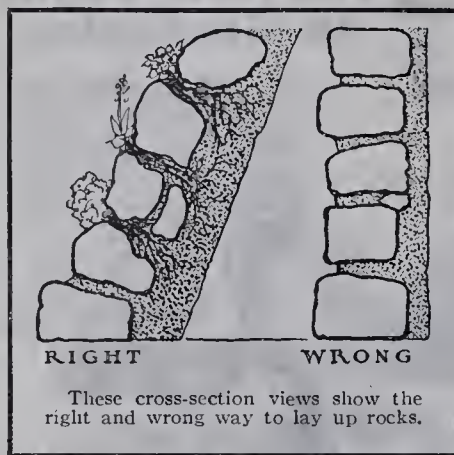
NAME	Height	Color	Blooms	Prices		
				3	Doz.	100
Achillea Boule de Neige	18 in.	White	June to September	\$0.50	\$1.80	\$10.00
†Ajuga Genevensis	6-8 in.	Blue	May & June	.85	3.00	15.00
†Alyssum—in variety	15 in.	Yellow	All Summer	.50	1.80	10.00
Anchusa Myosotidiflora	12 in.	Blue	May	1.00	3.50	20.00
Anemone Pulsatilla Rubra	9-12 in.	Violet Red	April & May	.70	2.50	15.00
Aquilegia—in variety	2-3 ft.	Various	Late Spring	.70	2.50	15.00
†Arabis Alpinus	12 in.	White	May	.70	2.50	15.00
Arenaria—in variety	2-4 in.	Silver White	May	.70	2.50	15.00
Armeria Lauchean	12-15 in.	Pink	Spring to Fall	.70	2.50	15.00
Aster Mauve Cushion	9-10 in.	Silver	November	.50	1.80	10.00
*Aubretia Graeca	12 in.	Purple	Spring	.70	2.50	15.00
Baptisia Australis	2 ft.	Dark Blue	June	.70	2.50	15.00
Campanula Carpatia	8 in.	Blue, White	June & July	.60	2.00	12.00
Campanula Persicifolia	1½-2 ft.	Blue, White	July & August	.60	2.00	12.00
Catananche Caerulea	2 ft.	Blue	July & August	.70	2.50	15.00
†Cerastium Tomentosum	12 in.	White	Early Summer	.50	1.80	10.00
Cheiranthus Allioni	12 in.	Orange	Early Summer	.70	2.50	15.00
Crucianella Stylosa	6 in.	Rosy Purple	All Summer	.50	1.80	10.00
Dianthus Latifolius Atrococeineus fl. pl.	12 in.	Red	June & July	.60	2.00	12.00
†Dianthus Deltoides	15 in.	Pink	May to July	.50	1.80	10.00
†Dianthus Plumarius Semperflorens	18 in.	Mixed	All Summer	.50	1.80	10.00
Dicentra Eximia	18 in.	Pink	All Summer	.60	2.00	15.00
Dicentra Spectabilis	2 ft.	Pink	May	1.00	3.50	25.00
Edelweiss (Leontopodium)	4-6 in.	Yellow	June & August	.70	2.50	15.00
Festuca Glaucia	12 in.	Blue Grass	Foliage Tufts	.50	1.80	10.00
Funkia Alba	2 ft.	White	August	.70	2.50	15.00
Funkia Variegata	18 in.	Blue	June & July	.60	2.00	12.00
Geums—in variety	18 in.	Scarlet, Yellow	June & July	.60	2.00	12.00
Gypsophila Repens	6 in.	White	June & July	.50	1.80	10.00
Helianthemum Mutabile	12 in.	Pink	April	.60	2.00	12.00
*Heuchera—in variety	15-24 in.	Pink	June to August	.85	3.00	20.00
*Iberis—in variety	12 in.	White	April & May	.70	2.50	15.00
Iceland Poppies	12-15 in.	Various	All Summer	.70	2.50	15.00
Lily Tenuifolium	18-24 in.	Scarlet	Mid-Summer	.75	2.80	18.00
Lily of the Valley—pips	8 in.	White	May & June	.20	.60	4.50
Lychnis Chalcedonica	2 ft.	Scarlet	June & July	.60	2.00	12.00
*Lychnis Viscaria fl. pl.	2 ft.	Crimson	June & July	.85	3.00	18.00
Myosotis Palustris	12 in.	Blue	All Summer	.60	2.00	12.00
*Nepeta Mussini	12 in.	Blue	All Summer	.50	1.80	10.00
*Pachysandra	12 in.	White	Foliage plant	.....	2.00	12.00
†Phlox Subulata	10 in.	Pink or White	April & May	.50	1.80	12.00
Platycodon—in variety	18-30 in.	Blue	June to October	.50	1.80	10.00
Plumbago Larpentae	12 in.	Cobalt Blue	Late Summer	.60	2.00	12.00
Polyanthus	6-12 in.	Mixed	Spring	.85	3.00	20.00
Primula Veris	6-12 in.	Various	Spring	.85	3.00	20.00
Ranunculus—in variety	12 in.	Yellow	May & June	.60	2.00	12.00
Saponaria Oxymoides	12 in.	Pink	June & July	.70	2.50	15.00
Saxifraga Cordifolia	12-15 in.	Pink	April & May	1.00	3.50	.....
†Sedums—in variety	4-24 in.	Various	Various	.50	1.80	10.00
*Sempervivum Arachnoideum	6 in.	Red	May & June	1.00	4.00	25.00
*Sempervivum Tectorum	12 in.	Pale Red	The leaf is important	.90	3.00	20.00
Thalycitrum Adiantifolium	12-15 in.	White	June	.60	2.00	12.00
†Thymus—in variety	4-6 in.	Various	June & July	.70	2.50	15.00
†Tunica Saxifraga	Tiny	Pink	All Summer	.50	1.80	10.00
†Veronica—in variety	2-24 in.	Various	Various	.70	2.50	15.00
*Vinca Minor—pots	8 in.	Blue	June	.....	2.00	12.00
Viola—in variety	6-8 in.	Various	All Summer	.60	2.00	12.00

\*Plants with foliage more or less evergreen.

†Suitable for crevices of walls and paved areas.



## HOW TO MAKE A ROCK GARDEN—Contd.



As each rock is laid, ram the soil back, around and beneath it; use no cement. Four factors in the success of rock work are—(1) Place each stone so it is anchored firmly. Stones above help hold those below. (2) Slope horizontal crevices downward into bank. (3) Rocks up-tilted let rain run down into crevice; tilt back 10° to 45° or more. (4) In walls, set each higher rock back of the lower, giving the face of the wall a backslope; thus giving plants water, air, light and room. Consider direction of ground drainage and lay stones across valleys to prevent soil washing away.

**Planting.** Plant rock plants in spring. Planting in crevices is best done during construction, but most planting can be done any time

after construction. In rock planting the point is to spread roots out, firmly in contact with soil. Some watering may be needed until plant becomes established. Keep out all weeds.

**Choice of Plants.** To help you choose dependable plants we list, from our stock of hardy perennials, those best for rock planting. In making your choice and planting consider height, color, and adaptability of the various plants. In our list the plants marked (†) are adapted for crevices in walls and paved areas. Those marked (\*) have foliage more or less evergreen. Include a number of these in your planting.

Tufted plants, with rosetted foliage and short flower stalk above, such as the Heucheras and Saxifraga, are best suited for small crevices. Erect bushy plants such as Aster Mauve Cushion, Anemone Pulsatilla and Saponaria are good for flat areas, above creeping sorts. Let drooping plants hang down over face of the rock; they are best near top of the slope. Drooping plants, too, are fine for foliage bulk, for luxuriance, and for covering banks. A few of the best drooping types are Alyssum Saxatile, Cerastium Tomentosum, Iberis Sempervirens, Phlox Subulata, Sempervivum and Campanula Carpatica. For creeping plants to form mats on ground and outlining walks, use Veronica Rupestris, various Sedums and Thymus in variety. The list on page 31 will suggest many other delightful plants.

For large rock gardens, dwarf forms of the evergreens, such as the Savin Juniper, the Mugho Pine, and others will make picturesque backgrounds. Certain of the Azaleas, the Garland Flower (Daphne) and almost all of the smaller flowering shrubs are both suitable and desirable in building up the background or in establishing height at places where needed.

All the plants listed on color page D as well as those illustrated on the opposite page are perennial, of the type best adapted to rock work, but do not demand it. They are equally suitable for edging borders of other plants in the conventional garden or for tucking into little nooks and corners where they will be welcome.



A charming rock garden and outdoor living room. Note how pleasingly rocks are used in the slopes about this area. Rock plants, trees, shrubs and evergreens make the picture complete

## Rock Plant Offers

Specially selected groups of the most popular rock plants—offering pleasing contrasts in foliage and flower. See rock plant list on page 31.

(\*) Varieties marked thus below are shown on color page D.

## Offer A

Plants	Variety	Color
3	Plumbago Larpentae	Blue
3	Sedum Kamschaticum	Yellow
3	Nepeta Mussini	Blue
3	*Aquilegia (asst'd)	Various
3	*Funkia Variegata	Blue
3	*Lychnis Viscaria (fl. pl.)	Pink
3	Cerastium Tomentosum	White
3	Campanula Carpatica	Blue
3	Armeria Laucheara	Pink
3	Dianthus Plumarius	White
3	Heuchera	Pink
3	Sedum Spurium Coccineum	Red
3	Alyssum	Yellow
6	*Viola Jersey Gem	Violet
3	Thymus	Yellow
3	Sempervivum Tectorum	Red

51 PLANTS, \$10.40 Value, **\$9.35**  
By mail, postpaid.....

## Offer B

Plants	Variety	Color
3	*Achillea Boule de Neige	White
3	*Dicentra Spectabilis	Pink
3	Thalictrum Adiantifolium	White
3	*Geum, Lady Stratheden	Yellow
3	Sempervivum Arach.	Red
3	Sedum Acre	Yellow
3	Myosotis Palustris	Blue
3	Veronica Rupestris Rosea	Pink

24 PLANTS, \$5.50 Value, **\$4.95**  
By mail, postpaid.....

## Offer C

Plants	Variety	Color
3	*Platycodon Mariesi	Blue
3	*Geum, Mrs. Bradshaw	Red
3	Cheiranthus Allioni	Orange
3	Dianthus Deltoides	Pink
3	Phlox Subulata Rosea	Pink
3	Thymus	Pink or Red
3	Viola Admiration	Wine
3	Veronica Rupestris Nana	Blue

24 PLANTS, \$4.80 Value, **\$4.30**  
By mail, postpaid for.....

## Offer D

All plants in the offers A, B, and C together—  
99 PLANTS (Value \$20.70) **\$17.60**  
By express, collect.....



# JAPANESE IRIS SET

An S. & H. quality selection. All but one variety full six-petaled. All are of largest size. Each quite distinct.

*Richest Colors  
Fancy Patterns  
Full Season*

- A—Uchiu (Universe)
- B—Zama-no-mori
- C—Mahogany
- D—Gekka-no-nami
- E—Sea Crest
- F—Moniji-no-taki
- G—Iso-no-nami
- H—Koki-no-Iro

Listed also in order of bloom on page 45.

**8** One of each variety by mail postpaid for.... **\$250**

**24** Three of each variety by mail postpaid for.... **\$640**

or by express, collect, for.....\$5.90



A



B



C



D



E



F



G



H

As far as magnificence and beauty go, there can be no doubt that the Japanese Irises are the most gorgeous of the family. The flowers are often 10 to 12 inches across and imperially rich in coloring.



# POPULAR HARDY GARDEN AND ROCK PLANTS

See Rock Garden information, pages 31-32, for adaptation of these items to Rock Gardens



Lychnis Viscaria fl. pl. See page 48



"Columbine" (Aquilegia). Mixed. See page 34



Platycodon Mariesi. See page 52



Funkia Undulata Variegata. See page 41

## "Popular Perennials"

A Colorful Collection  
at Bargain Prices

We offer the various items  
named on this picture page.

<b>9</b>	ONE EACH (Value \$2.10) Postpaid, for	<b>\$1<sup>68</sup></b>
<b>24</b>	THREE EACH (Value \$5.35) Postpaid, for	<b>\$4<sup>28</sup></b>
<b>48</b>	SIX EACH (Value \$9.30) Postpaid, for	<b>\$7<sup>84</sup></b>



Geums (2 colors). See page 42



"Bleeding Heart" (Dicentra). See page 40



Viola Jersey Gem. See page 55  
Color Page D



Achillea Boule de Neige. See page 33



# HARDY PERENNIALS

Including Special Types for Rock Gardens

**T**HE strongest practical argument in favor of hardy perennials is the fact that once planted, they continue year after year with no further gardening concern beyond cultivation, cutting and thinning.

Beautiful in a thousand types and expressions, embracing every color shade and pattern within the knowledge of man, it needs only a little thought, study, and art sense to so select types and associate colors, that the Perennial Garden will become a vivid, glorious, living adventure in beauty and self-expression.

The nurseries have learned to provide a diversified group for hot and dry location, a different collection for the shade and dampness. We provide variety in edging subjects; and out of the rich multitude of modern types and varieties, can artistically balance colors and blooming season, in any desired height, over any area or contour desired.

Now also come "**Rockerles and Rock Gardens**" into fervid popular favor. Little creeping, matting plants for covering the upper surface of stones, or moderate upright growers of suitable character to occupy the earth-filled niches between.

In all descriptions, we aim to show normal matured height, blooming period, color, and any special quality or utility; so that the reader may easily select and associate varieties to fit any desired plot or purpose.

## Selection and Distribution of Varieties

With perennials, it is possible to have some show of color in every portion of the garden at any time.

Various coarse-leaved, tall growing sorts, such as Anchusa, Asters, Boltonias, Hollyhocks, Golden Glow, Mallows, Sunflowers, etc., should, of course, be located in the **background**. The **front** of the border should be laid out in the low growing kinds, such as Achillea, Columbines, Shasta Daisies, Euphorbia, Gaillardia, Heuchera, Hypericum, Dwarf Lychnis, Forget-me-nots, Pinks, Plumbago, Iceland Poppies, Sedums, etc. **Intermediate** rows will take care of the great majority of perennials; the principal requirement in their location being to so dispose that colors will not clash, nor be unequally distributed. The matter of variation in **blooming season** should also affect location, in order to have no material section of the garden without some show of color at any time of the year.

**Planting.** These roots may be planted as early in spring as the ground is pliable (or in the autumn); selecting an opportunity when the soil is not cold, wet or soggy. Large clumps are not necessary nor often desirable; the smaller divisions or pot grown stock showing more thrift and virility, and developing into shapelier plants than the bulkier old roots.

Any good **soil** sensibly enriched with rotted manure, bone meal, sheep manure, or any other available fertilizer; dug deep and thoroughly mixed, will be satisfactory.

## GENERAL LIST OF HARDY PERENNIALS

The succeeding alphabetically arranged list includes a splendid assortment of the most practical Perennials, to cover all gardening requirements. "**Rock Plants**" are designated with this character © against varietal names. See pages 31, 32 and color page D for special rock gardening information, plants in color and for certain graphic illustrations.

**ACHILLEA.** Delightful cut flowers and garden units, especially valuable because of long blooming season, and hardiness.

—**Boule de Neige** (Ball of Snow). 18 inches. The best white-flowered edging plant; erect, stiff stems and compact clusters; fully double, rounded, pure white florets. June to September.

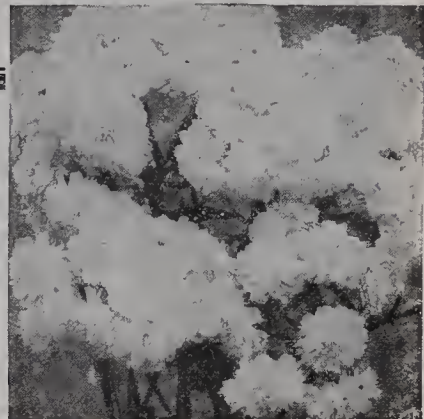
—**millifolium, Cerise Queen** (Rosy Milfoil). Fine cut, decorative foliage on spreading bushes 18 inches high. Brilliant cerise-red

flowers, continuous all summer, in flat umbels. This type with foliage, is a dainty bowl-cut-flower.

—**Perry's White.** 2½ feet. Takes the place of The Pearl, giving height maintained by rigid, upright stems. Extremely free, with clustered double white flowers. June-July.

—**© tomentosa** (Woolly Yarrow). A low mat of leaves, bright with flat heads of yellow flowers in June and later. 1 foot.

**Price: All Achilleas: 3—50 cts.; doz.—\$1.80; 100—\$10.00.**



Achillea Boule de Neige

**This is a Sale Year — Prices Greatly Reduced**

**Prices.** Offered by 3's, dozens, and hundreds. In flower beds where units are generally small, we feel that three is the least number practical for making a show, and to save disappointment if one should die. We can also handle three as cheaply as one—at consequent saving to you. **All prices for 3 or dozen are for delivery by mail, postage prepaid, unless otherwise specified. The 100 rate is always priced for express. Express shipments are not prepaid.**

**BARGAIN OFFERS Pages 4-7**

## HOW TO PLANT AND CARE FOR PERENNIALS



**SPACING.** In planting perennials, it is generally safe to space those varieties which do not grow above 2 feet, about 12 inches apart; the taller ones at an interval one-half the ultimate height. Crowded or stinky planting are equally disastrous to healthy growth and perfect effect.

**CULTIVATION.** Don't let up with the hoe! Keep the ground well cultivated, leveled and free from litter; except during protracted drought, a little

muleh of short grass (sweepings from the lawn) will help retain moisture and keep the soil from baking.

**TRAINING.** Judicious "staking" at an early date will adjust many later defects of top-heaviness or unequal development. If done early, the correction and support will be absorbed; after maturity, any alteration would appear abnormal and unsightly.

**TIDINESS** goes a long way towards an attractive garden. Snipping a broken twig; an untanglement here and there; removing withered leaves, dead flower stems, etc., will repay the odd moments of time and attention.

**DIVIDING.** The earliest flowering types are generally dwarf, compact and close rooted; these may be left undisturbed for several years. The tall sorts of late summer and fall are fast growing and prolific; it will be found a positive advantage to quality of bloom and general appearance, if these are taken up, divided, and a part only replanted, at least every second year.

**WINTER PROTECTION.** Everything listed in this section is "hardy," but in varying degree. For instance, Tritomas, Poppies and Shastas really need some protection. A light covering of coarse straw, manure or leaves (not over 2 or 3 inches deep) will give comfort to all kinds, and insure safety for the weak. After removing all stems and dead foliage, during the last days of November, or before severely cold weather sets in, apply this dressing, remembering to remove it gradually next spring, as soon as frost begins to leave the ground.

Enjoy the colorful beauty of hardy perennials year after year

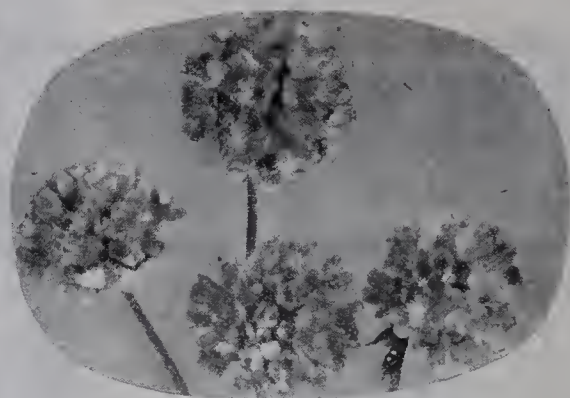




Anemone Japonica



Anchusa Dropmore

Armeria—Page 35  
An excellent rock plant or edger

**ACONITUM Fischeri** (Monkshood). 2 to 3 feet. September and October. Valuable for either sun or shade, and very hardy. The foliage is attractive, and the bloom abundant in long, dense spikes of hood-shaped flowers; dark blue. 3—85 cts.; doz.—\$3.00; 100—\$15.00.

⊙ **AETHIONEMA persicum** (Persian Candytuft). 9 inches. Group six inches apart in sunny location for edging, or distribute freely among the rocks. Leaves are glaucous blue on twiggy stems, with many midsummer spikes of rose-pink bloom. 3—\$1.10; doz.—\$4.00; 100—\$25.00.

⊙ **AJUGA** (Bugle). Excellent carpeting plants for grass, bare spots in border, beneath trees or in rockery, in either sun or partial shade; blooming freely May-June.

—**genevensis**. 6 to 8 inches. Dense spikes of blue.

—**reptans rubra**. 3 to 4 inches. Deep purplish blue.

Both: 3—85 cts.; doz.—\$3.00; 100—\$15.00.

⊙ **ALYSSUM—argenteum**. 15 inches. Dense growth. Leaves silvery beneath, flowers yellow in clustered heads all summer.

—**saxatile compactum** (Golden Tuft). A useful, flat, spreading edging and rockery plant, growing not over 12 inches high; covered with enveloping flat clusters of bright golden yellow flowers early in summer.

Both: 3—50 cts.; doz.—\$1.80; 100—\$10.00.

**ANCHUSA Dropmore**. A bold, broad-leaved growth with flower stems 3 to 5 feet high, bearing a continuous show of deep blue flowers from spring until late summer. The stools are quite dense and bushy, each stem nearly covered full length with double, inch-wide flowers of the deepest cobalt blue. 3—50 cts.; doz.—\$1.80; 100—\$10.00.

—⊙ **myosotidiflora**. 1 foot. A beautiful dwarf border and rockery plant, best in sand. Its foliage is broad on spreading stools, but the vivid crop of May flowers are almost identical with Forget-me-not, a rich gentian-blue. 3—\$1.00; doz.—\$3.50; 100—\$20.00.

### ANEMONE—Wind Flower

⊙ **ANEMONE SPECIES**. All showy as rock garden units, and at home in the general perennial beds, covering a blooming season from early spring until the fall show of the Japanese type.

—**hupehensis**. A miniature Japonica, 10 to 12 inches in profuse bloom from August on, with 1½-inch single flowers colored bright mauve-rose.

—**pulsatilla rubra**. (Pasque Flower). Violet or purple flowers in April and May; an excellent rock plant 9 to 12 inches high.

—**Sylvestris**. May and June bloom excellent for cutting; large, waxy, pure white, on 12-inch stems. Prefers a cool, moist location.

**ANEMONE JAPONICA**. A most valuable class of hardy plants suitable for edging, massing or single specimens. They grow rapidly 2 to 3 feet and are profuse in bloom, gaining strength and beauty each year. The blooming period extends from August till mid-November.

—**alba**. Glistening, pure white, with yellow center.

—**Queen Charlotte**. Flower semi-double, broad and perfectly formed, the pleasing "La France" shade of pink.

—**Richard Ahrends**. Large, single. Shell-pink with slight lilac hue.

—**rubra**. Brilliant rose-red; yellow center.

—**Whirlwind**. Excellent large, double white flowers.

PRICE: All Anemones 3—70 cts.; doz.—\$2.50; 100—\$15.00.

### ⊙ AQUILEGIA—Columbine

Distinctly deep cut foliage and delicate arrangement of colors in the pendent flowers. Dainty, showy and desirable as cut flowers, available for Memorial day; especially suitable for rockwork, at the base of foundation walls and under trees. Bloom in early spring into July; preferring partial shade.

**Caerulea**. Immense broad flowers, sky-blue with full white corolla and gilded stamens.

**Helena**. Massive flowers, the deep purplish blue sepals in marked contrast to the broad inner cup of pure white. Extra good, plentiful foliage.

**Chrysantha**. All over pure bright yellow, late blooming.

**Chrysantha Alba**. Beautiful white flowers.

**Dobbie's Imperial Hybrids**. The most recent English triumph, notable for size and sturdiness, long spurs, and a wide range of strong colors. **Mixed**.

**Mrs. Scott Elliott's Long-Spurred Hybrids**. A choice English strain; free-blooming, with long stems and extremely long, shiny spurs. The colors run to pastel shades of rose, blue and yellow in many delightful combinations. **Mixed**.



Columbine

**Rose Queen**. Of stocky, medium growth but lavish in display of large flowers with rather long spurs. Spurs and sepals are a dainty coral-pink, the corolla cream white with prominent yellow stamens.

**Skinneri**. The standard red Columbine, not large but very prolific, and vividly conspicuous. Brilliant carmine-red sepals and uptilted spurs, the yellow of protruding stamens and edge of the cup giving a pleasing emphasis at bottom. Dark stem and leaves.

PRICE: All Aquilegias 3—70 cts.; doz.—\$2.50; 100—\$15.00.



Arabis edging the spring border



⊙ **ARABIS alpina** (Rock Cress). Low growing plants especially suited to rock-work, flowering in small white terminal racemes. Bloom in May and continue a long time.  
3—70 cts.; doz.—\$2.50; 100—\$15.00.

⊙ **ARENARIA** (Sandwort). Very short, mossy plants of considerable value in general gardening.

—**montana**. 4-inch. Close tufts, profusely covered in May with small silvery white “morning-glory” flowers. Makes a fine, formal edging plant, or as a filler among sunny rocks.

—**verna** (Moss Sandwort). 1 to 2 in. Prostrate, matted creeper, at home in the cracks of rockeries, or for a bright filler between flag-stones in the garden walks.

**Both:**

3—70 cts.; doz.—\$2.50; 100—\$15.00.

⊙ **ARMERIA** (Thrift; Sea Pink). Interesting small plants with rosettes of narrow evergreen leaves on the ground, from which arise many slender, naked stems crowned by a compactly round flower. Excellent rock plants, and useful in bordering walks or for any continuous low edging, blooming in early summer.

—**Lauchiana**. About 8 inches; in liberal bloom from June to August, good sized globular flowers rosy crimson.

—**maritima splendens** (Cushion Pink). 6 to 10 inches. Fine grassy, evergreen mounds, stems rigid, and little flower balls a deep coral rose.

**Both:** 3—70 cts.; doz.—\$2.50; 100—\$15.00.

**ARTEMISIA—lactiflora**. Deep green, cleft foliage and compact bush shape, make this choice perennial attractive throughout the summer, but doubly so in August and September, when in bloom. The creamy white flowers, which resemble herbaceous Spireas and are sweetly scented, are borne in large terminal panicles on erect stems 3 to 4½ feet tall.

—**Silver King**. A beautiful “mist” for setting off bouquets and floral combinations. Vigorous, quick growing, with a close network of branches, fine stemmed and slender leaved. The opening leaf buds gleam like tiny beads, the entire color effect bright frosted silver. The plants are matured and very showy early in summer, growing into compact symmetrical pyramids up to 3 feet high, which remain objects of beauty until lost against winter’s snowy background.

**Both:** 3—50 cts.; doz.—\$1.80; 100—\$10.00.

**ASCLEPIAS tuberosa** (Butterfly Flower). 2½ feet. A familiar field flower; the cultivated form making a delightful show of orange flowers during early summer.  
3—60 cts.; doz.—\$2.00; 100—\$14.00.



**Artemisia-Silver King**



**The feathery panicles of Astilbe**

### **ASTILBE [Spirea]**

A bulbous, hardy Spirea of striking punctuating character, when distributed among the medium height perennials of the garden borders. It makes a short spreading plant with attractive foliage, during June and July throwing up long, plummy wands of bloom. These flower spikes complete an average height of 2 to 3 feet and, because of their bulk, feathery character and brilliant color expression, are extremely showy during their season of about three weeks. Soil need not be extra rich, but plentiful moisture and partial shade are essential to fullest success.

**America**. The old reliable lilac-pink.

**Gloria**. Deep rose color.

**Peachblossom**. Compact; peach pink.

**Rubens**. Dark crimson, strong divided spikes.

**Queen Alexandra**. Bright pink, extra large.

**Price:** All Astilbes—each—60 cts.; 3—\$1.50.

**By express—doz.—\$5.00.**

### **HARDY ASTERS**

The “Michaelmas Daisies” are very largely used by landscapers, to provide masses of foliage and bloom throughout the fall. They give a wide range of selection as to height, character, season and color. The dwarf Alpines and Japanese varieties are excellent for edging beds and for sunny rock garden use.

⊙ **Alpinus** (Blue Mountain Daisy). 5 to 10 inches. May-June. Short stemmed but large flowered, of striking character; lavender-blue with orange-yellow disc.

**Blue Gem**. 3 feet. Large rich violet-blue. Darkest of the blue varieties, of good form and size.

**Climax**. 4 feet. Much branched, pyramidal clusters of light lavender-blue flowers, 1¼ inches in width, with prominent golden cone at center. August to mid-October.

**Mauve Cushion**. ⊙A Japanese dwarf species adapted to many unique uses. Very dwarf, 9 to 10 inches, with tapering margins. It spreads thriftily into a round cushion perhaps 30 inches broad; in November literally covered with beautiful inch-wide, silvery mauve flowers. Valuable in rockeries for late bloom.

**Mons**. 3 feet. Distinct reddish violet. These flowers are large, perfect, in handsome very conspicuous clusters.

**Queen Mary**. One of the best new belgica introductions, very popular in England. The flowers average 2½ inches in diameter, arranged loosely in branching panicles; an excellent cutting type. Blue, tinted lavender. 3½ feet.

**Roseus Superbum**. 4 feet of dense growth; the profuse symmetrical bloom a brilliant rose-red.

**St. Egwin**. Dense, mounded bush, about 2 feet in diameter, completely hooded by its beautiful bloom, a delicate pastel pink.

**White Climax**. Much branched, 4 to 5 feet high, with pure white conical flowers from August to mid-October.

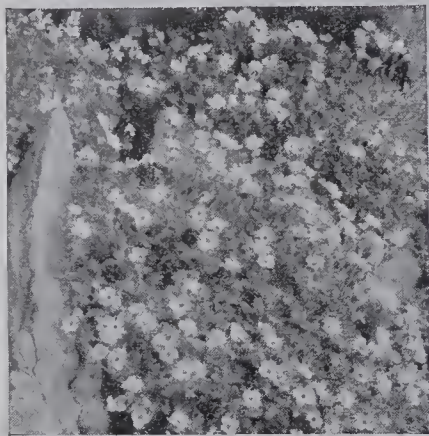
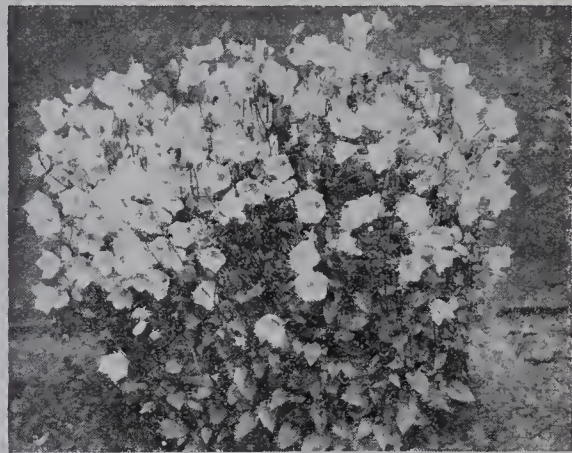
**Price:** All Asters: 3—50 cts.; doz.—\$1.80; 100—\$10.00.



**Aster Climax**

**This is the logical place to buy Perennials if you live in the Central States.**



**Aubrietia****Beltonia****Campanula Carpatia**

⊙ **AUBRIETIA—graeca** (Rainbow Rock Cress). Essentially a rock plant, but equally pretty and useful as an edging to any dwarf perennial border. The foliage is a fine mass of silver green, in spring and early summer concealed by a sheet of light purple flowers.

—**Leichtlini**. Dwarf, compact; bright pink flowers.

**Both: 3—70 cts.; doz.—\$2.50; 100—\$15.00**

⊙ **BAPTISIA australis** (False Indigo). Deep blue flowers in pretty racemes during June and July. 2 feet.

3—70 cts.; doz.—\$2.50; 100—\$15.00.

**Bocconia Cordata.** (Plume Poppy). Six to eight feet. Immense flat, deeply indented leaves of silvery green on pearl-pink stalks. Flowers creamy white, produced in large upright panicles which persist for months, darkening to rusty bronze. This is a splendid plant to point the angles of the tallest perennial backgrounds, its neutral colors associating well with any other colors, and its stems and foliage highly ornamental.

3—70 cts.; doz.—\$2.50; 100—\$15.00.

**BOLTONIA asteroides** (False Chamomile). 5 feet, bushy plants with Aster-like flowers; good back-ground plant for late summer. **White.**

3—50 cts.; doz.—\$1.80; 100—\$10.00.



⊙ **CALAMINTHA alpina**. 6 inches. Dwarf, twiggy, savory herb; useful in wall and rock gardens, in dry stony soil, with pretty purple spikes of mint-like flowers in June.

3—70 cts.; doz.—\$2.50; 100—\$15.00.

## **CAMPANULA [Bellflower]**

These are among the most beautiful of the border plants, all throwing up a liberal number of flower spikes along which are a crowded profusion of good sized bells.

⊙ **Carpatia**. (Carpathian Hare-Bell). A pretty compact species, not exceeding eight inches high, flower bells one inch in diameter. **Blue or White.**

**Calycanthema**. ("Cup and Saucer"). Hardest and most popular form. Single cup-shaped flowers 3 inches long, set in saucer-like calyx 3 to 4 inches across; entire flower of one color. Very productive. Three separate colors. **Blue, Rose or White.**

**Medlum**. The well known "Canterbury Bells"; its numerous branches crowded with deep bells, the edges softly rolled back and fluted. In July, height 2 to 3 feet. **Blue, Rose or White.**

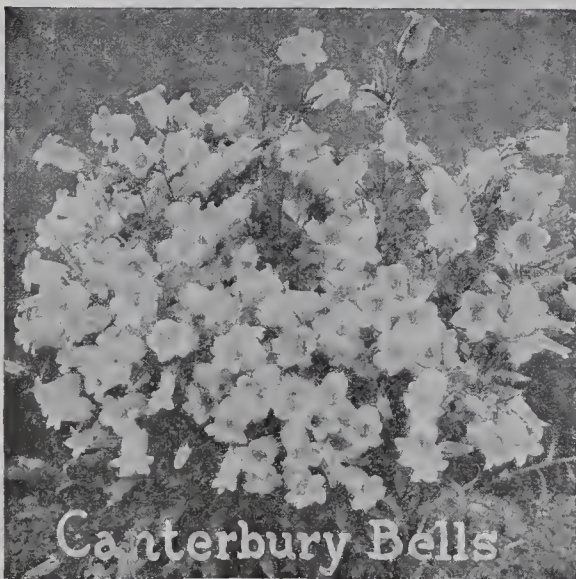
⊙ **Persicifolia** (Peach Bells). 1½ to 2 feet high; many, small salver-shaped flowers. **Blue or White.**

—**gigantea Moerhemi**. 2½ to 3 feet. A beautiful double white variety, flowers 2 inches in diameter, in bloom from May into July. 3—85 cts.; doz.—\$3.00; 100—\$18.00.

—**Telham Beauty**. A magnificent new tall variety, 2½ to 3 feet, its stems crowded with large, single bells a soft lavender-blue. May-July; fine for cutting. 3—85 cts.; doz.—\$3.00; 100—\$18.00.

**Pyramidalis** (Chimney Bellflower). Very conspicuous, 4 to 5 feet high. Profuse salver-shaped flowers in September. **Blue or White.**

⊙ **Rotundifolia** (Blue Bells of Scotland). 12 inches. A thrifty rock plant well set with nodding blue bells. June to August. **PRICE: All Campanulas, except noted—3—60 cts.; doz.—\$2.00; 100—\$12.00.**



Use Perennials liberally for color and charm in the Outdoor Living Room

The thrifty gardener will buy plants this spring while prices are lowest in years.





## THE NEW HARDY CARNATION CRIMSON KING

A true Carnation, yet perfectly hardy planted outdoors with the other perennials, and with just the usual gardening attention blooms prodigiously during about 5 months, June to November, with splendid double flowers  $1\frac{1}{2}$  to  $2\frac{1}{2}$  inches across, on stems 12 inches or more in length. The color is a rich, deep crimson-red; the spicy carnation fragrance very pleasing. Thrifty  $2\frac{1}{4}$ -inch pot-plants:  
Each—25 cts.; 3—60 cts.; doz.—\$2.00; 100—\$15.00.

©**CATANANCHE Caerulea** (Cupid's Dart). 2 feet. Long, stiff flower stems, the ends crowned by blue flowers resembling Bachelor's Button. July-August. A good, small cut flower. 3—70 cts.; doz.—\$2.50; 100—\$15.00.

©**CENTAUREA** (Knapweed). Free blooming, medium height border plants of interesting character. The bloom is quite constant in each variety during a long season; the three varieties offered providing three distinct colors displayed in succession from June to September.

—**Dealbata**. 2 feet. June-July. Rose-pink.

—**Macrocephala**.  $3\frac{1}{2}$  feet. July-August. Large, thistle-like golden yellow flowers, good for cutting.

—**Montana** (Mountain Bluet). 2 feet. Bearing large, loose petaled flowers of violet-blue from July to Sept.  
All: 3—60 cts.; doz.—\$2.00; 100—\$12.00.

©**CERASTIUM Tomentosum** ("Snow in Summer"). A low edging or carpet plant, with matted silver foliage and early white flowers. This is the showiest, longest lasting, and most valuable carpet plant. Also excellent coverage on rocky slopes. Its aspect is either silvery green or pure white from earliest spring until fall. 3—50 cts.; doz.—\$1.80; 100—\$10.00.

## Perennials Extra Good for Cut Flowers

Anemones	Gaillardia	Pinks
Babysbreath	Gayfeather	Tritoma
Chrysanthemums	Geums	Yarrow
Columbine	Iris	Peonies in Var.
Coreopsis	Larkspur	Phlox in Var.
Daisies	Physostegia	Hollyhocks
Doronicum		



The Centaurea is an old favorite



Coreopsis. Long blooming and excellent for cut flowers

©**CHEIRANTHUS Ailionii** (Siberian Wallflower). A showy, 12-inch rockery plant, ablaze all summer with close panicles of orange flowers. Actually a hardy biennial, renewing itself by seeding. This is practically the only good vivid orange-colored flower produced during the early summer, and is consequently very popular. Often used as solitary units between stones in the rockery, just for that one purpose of lighting up the area with orange. It is safer to engage fresh plants every year, the self-renewal being uncertain. 3—70 cts.; doz.—\$2.50; 100—\$15.00.

©**CHRYSANTHEMUM—Coreanum**. 2 to 4 feet. A modern introduction called "Korean Chrysanthemum" but considered with the daisy, to close in October and November, the long daisy chain commenced in May by Hartje & Elder type. Coreanum has very large flowers; the petals white or at one stage tinted pink, with golden center. The foliage clumps are compact, dark green. 3—50 cts.; doz.—\$1.80; 100—\$10.00.

—**Arcticum** (Arctic Daisy). See under Daisies, on page 39.

## Hardy Garden Chrysanthemums

See page 38

©**CIMICIFUGA Racemosa** (Snake Root). Good heavy foliage with many 4-foot swaying flower spikes during July and August. The terminal flowers are small but in good sized clusters; pure white. Displayed to advantage as a background, or as punctuations among the undergrowth of woodlands. 3—60 cts.; doz.—\$2.00; 100—\$12.00.

©**CONVALLARIA Majalls**. See Lily-of-the-Valley on page 47.

©**COREOPSIS Lanceolata Grandiflora**. 18 to 24 inches. The 2-inch, single terminal flowers are rich golden yellow, borne in great profusion nearly the entire summer on slender, wiry, upright stems. 3—50 cts.; doz.—\$1.80; 100—\$10.00.

©**CRUCIANELLA Stylosa** (Crosswort). 6 to 9 inches. Creeping herbs preferring partial shade; the pretty rose-pink flower balls intermittent. June to Sept. 3—50 cts.; doz.—\$1.80; 100—\$10.00.

## Special Rock Garden Collections Page 31



A Bank of Cerastium Tomentosum



# HARDY GARDEN CHRYSANTHEMUMS

Brune Poitevine



Boston Bronze



Hardy 'Mum—Gold Coin

The following fine, rugged varieties assembled from Pompon, Anemone and various classes have proven hardy throughout the middle-west, with some protection during winter. It is advisable to cut off the old tops to a few inches above ground, then cover with old straw or leaves before winter sets in. The best bloom will result from annual spring transplanting, separating the year-old clumps into small divisions.

The Pompon flowers run from  $\frac{3}{4}$  inch to  $2\frac{1}{2}$  inches in diameter; small petaled, compact and formal "buttons"; or larger with longer petals, and looser; in rather close clusters so that one spray is a bouquet. As pot plants they furnish some of the daintiest table decorations of the fall and winter season.

## PRICES

**20c**  
EACH

We pay postage on dozens or less—(Do our competitors?)  
The 100 rate (25 or more of one variety) is for Express, collect. Thrifty plants from  $2\frac{1}{4}$  inch pots.

**3 for 40 cts.**  
**6 for 75 cts.**  
**12 for \$1.50**  
POSTPAID

BY EXPRESS  
COLLECT—  
**\$10.00 Per 100**

**Adironda.** ( $1\frac{1}{4}$  in.) A flat, formal pompon, thickly clustered, of colorful beauty; warm red orange over bronze, with a sprinkling of golden tips.

**Alice Howell.** (2 in.) Orange yellow; early and continuous. A fine single type.

**Autumn Glow.** Large flowers of rosy crimson tinged with bronze.

**Boston Bronze.** A splendid, satiny, light bronze cut flower, extra large and full.

**Bright Eyes.** Until finally unfolded, the incurving central petals show a strong orange-apricot, to contrast against the prevailing blush white.

**Excelsior.** ( $1\frac{1}{2}$  in.) Bright orange yellow clusters; very free.

**Indian Red.** Crushed strawberry-red over copper; late, but worth waiting for.

**Maple Leaf** (Anemone). An autumn leaf pattern of red and yellow.

**Old Homestead.** Dependable light rose-pink; the thrifty "Grandmother's garden" type.

**Ouray.** (1 in.) Dark red-brown with faint bronze edging to some of the short petals.

**Petit Louis.** ( $2\frac{1}{4}$  in.) Globular flowers loose-petaled but full; delicate lilaceous pink deeply silvered, the half-opened buds deep rose.

**Sunshine** (Anemone). Crowded sprays of intense yellow.

**The Belle** (Anemone). Blush, then white; with a moderate disc of lemon and primrose yellow.

**White Doty.** ( $1\frac{3}{4}$  in.) Milk white, somewhat creamy at the incurved center; the outer petals semi-quilled. Very free, showy and long keeping.

**Special Offer**

**14 ONE EACH ABOVE KINDS \$2.00**  
BY MAIL, POSTPAID, FOR

**"GOLD COIN COLLECTION" 25c**  
EACH

**3 for 55c**  
**12 for \$2.00**  
**\$12.00 per 100**

**Brune Poitevine.** (2 in.) Evenly rayed, numerous quilled petals of mahogany red; the under side, tips and incurved center flecked with bronze and gold.

**Cora Peck Buhl.** ( $1\frac{3}{4}$  in.) Very full, compact flowers so interlocked as to suggest one immense bloom; deep gold with amber shading.

**Glory of Seven Oaks.** ( $2\frac{1}{2}$  in.) ("Everblooming Hardy 'Mum"). Brilliant clear yellow. Earliest and longest season of any garden variety; popular for any use.

**Little Red Foot.** Perfect little round button type, throwing a prodigious display of  $\frac{5}{8}$ -inch units in expansive clusters; earlier than most varieties of this character. A tiny, crowded petalage of red mahogany, around a gun-metal ball at center.

### Gold Coin.

Extra large size, rounded compact shape, in large sprays; bright golden bronze. Forced and disbudded, may be had as beautiful 4-inch balls

Each—40 cts.  
3—80 cts.  
Doz.—\$3.00.

**Mitzi.** (1 in.) Dwarf plant, but extravagant bloom; the dainty flowers bright yellow with red-brown center.

**Oconto.** (3 in.) Ball shape, large, pure white.

**Rose Travena.** A charming medium button, deep rose-pink.

**FREE**

INCLUDED WITH

**8** One each of the Seven Kinds above Postpaid for **\$1.65**

Plant Chrysanthemums in the spring and enjoy their full beauty in the fall



# "Crimson Beauty" 'Mum Group

**30c** 3 for 70 cts.  
12 for \$2.00  
EACH \$15.00 per 100

**Button Yellow.** ( $\frac{1}{2}$  to  $\frac{3}{4}$  inch). Not since the passing of the old "Baby 'Mum," has there been a hardy, practical small true button pompon. This variety is loosely clustered, compact, bright golden yellow.

**Capt. Cook.** ( $1\frac{1}{4}$  inches.) Taller than the average, first to open, and a perfect compact "bunch" type. A brilliant shade of rose pink, free from the common lavender tones.

**Firebird.** ( $1\frac{1}{2}$  to 2 inches.) A free-blooming new pompon; light mahogany red, with bronze reverse; the tight curled center thus making the fresh flower a striking bicolor.

**Gipsy Queen.** (2 to  $2\frac{1}{2}$  inches.) A large, fluffy single of profuse bloom; with typical autumn coloring of salmon, yellow and ruddy bronze.

**Pink Cushion.** One of the most delicately beautiful of all outdoor 'mums; one of the first to bloom, and still prime with the latest. Tender lilac-pink with ivory base and small central tuft of primrose yellow. The calendula-shaped flowers ( $1\frac{1}{2}$  to 2 inches across) in close clusters so densely distributed, the entire rounded plant appears like a florist's made-up "pillow."

**Rodell.** (1 to  $1\frac{1}{2}$  inches.) A new deep golden yellow true button; and its earliness gives added value.

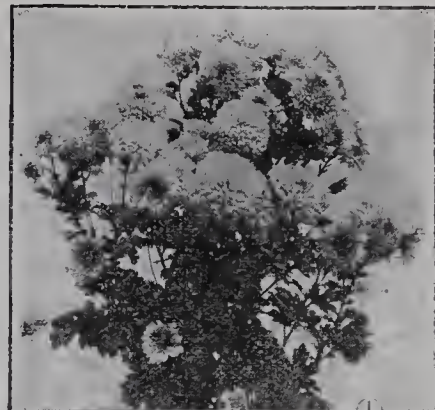
**Uvalda.** ( $2\frac{1}{4}$  inches.) Bulky, short-quilled, full centered; earliest white, at first slightly blushed.

## Crimson Beauty

(2 inches). A thrilling fall show of perfect clustered flowers in that rare 'mum color,—unfading, bright crimson-red. This is a delightful novelty and one of the most striking autumn cut flowers.

Each—40 cts.; 3—80 cts.; doz.; \$3.00.

**8** One each of the Seven Kinds above Postpaid for **\$1.95** INCLUDING **FREE**



Bright Eyes—See page 38



Delphinium Belladonna

## CHRYSANTHEMUMS—Exhibition Type

The large flowered or "Exhibition" type are not hardy and so should not be planted among the perennials. If desired for their wonderful Autumn bloom, they may be set with the other annuals. See them on page 27.

**CIMICIFUGA**  
**COREOPSIS**  
**CRUCIANELLA** } Page 37

## DAISIES—Various

Extremely practical for garden planting, because of their protracted blooming season, and dependable display of white. Good for cutting.

**Arctic** (*Chrysanthemum arcticum*). Long before the flowers appear, its 8 to 10-inch clumps—veritable rosettes of very dark, shiny foliage, have been well worth while. About September, a surprising quantity of stems spring up, each bearing a perfect daisy 2 to  $2\frac{1}{2}$  inches across, pure white with golden center, or fitfully tinged pale rose. Many delightful bouquets are assured through October and even into November. 3—50 cts.; doz.—\$1.80; 100—\$10.00.

**King Edward VII.** An English strain, supplanting our American "Shasta Daisy," because of its larger purer flowers and more liberal production. 3—50 cts.; doz.—\$1.80; 100—\$10.00.

**May-flowering.** (Hartje & Elder's strain). Begins to bloom early in May so that its beautiful large sized flowers are available for Memorial Day decorations, continuing with liberal production most of summer. Its rounded clump of varnished leaves remains until snowfall. 3—60 cts.; doz.—\$2.00; 100—\$12.00.



Daisies, fine for cutting

**The Speaker.** Named so in England for some reason; but it speaks for itself in size (3 inches plus), freedom, and purity of its white rays, during midsummer. The foliage is broad, dark and shiny like May-flowering.

3—50 cts.; doz.—\$1.80; 100—\$10.00.

**"Painted Daisy."** See *Pyrethrum Roseum*.

**"Transvaal Daisy."** See *Gerbera Jamesoni*.

## DELPHINIUM [Larkspur]

There is no family of perennials more in the public mind today than Delphiniums. Eminent hybridizers the world over are devoting intensive effort towards their improvement and creation; which gives the modern planters wider selection, and inspires gardening enthusiasm. When Delphiniums bloom, from June till frost, their long, showy flower spikes protrude to a height of 3 to 4 feet, so that the plants belong in the background of perennial groups, or in the foreground between shrubs.

**Belladonna.** A magnificent sort with large spikes of the most delicate turquoise-blue. Makes up prettily with Euphorbia or Baby's Breath for a mist flower, and the yellow of Coreopsis. July till frost. 3—50 cts.; doz.—\$1.80; 100—\$10.00.

**Bellamosa.** A very dark blue variety, strikingly contrastive in connection with the azure shade of Belladonna. 3—50 cts.; doz.—\$1.80; 100—\$10.00.

(Continued Next Page)



## DELPHINIUM [Larkspur]—[Concluded]

**S. & H. Supreme Hybrids.** An assemblage of thrifty 1-yr. plants, grown from selected seed imported direct from the best English producers (mostly Blackmore & Langdon), with a small percent added from the most prominent American strains. Greater height, longer flower spikes and more delightful color tones and patterns are assured. Among them occur the much prized shades of pink and white, besides the full range of blues; but no particular colors are guaranteed.  
**Mixed only:** 3—70 cts.; doz.—\$2.50; 100—\$15.00.

**Wrexham Hollyhock Strain.** Under English conditions and cultivation, this highly developed strain attains four to six feet and produces flower heads of abnormal length and thickness; but American growers cannot expect quite so much. The choicest and most beautiful flowers are chosen for the seed, each pound being equally balanced for distinct coloring or unique marking, and representing the pick of the Wrexham fields. The most distinguishing feature of this strain is the great size of the florets, and their peculiar setting along the spike, so like the Hollyhock. We offer strong 1-year, field-grown plants, **Mixed**, raised from choicest imported Wrexham seed.  
 3—85 cts.; doz.—\$3.00; 100—\$18.00.

**Dwarf Larkspur.** (Delphinium chinensis). Contrary to character of the foregoing, this type is short and slender in growth, 15 to 18 inches, very desirable for low bedding and borders; good sized flowers. **Blue**—a very deep purplish blue, or **White**.  
 3—50 cts.; doz.—\$1.80; 100—\$10.00.

## DIANTHUS [Hardy Pinks]

Short, dense growth with glaucous grassy foliage and abundant fragrant flowers all summer, throw these delightful subjects into the foreground and edging of groups. Certain types are excellent rock plants.

**Aliwoodi** (Perpetual Flowering Hardy Pinks). A revolutionary type providing choice clove-scented bloom with good cutting length stems from early spring until late autumn. We offer a **mixture** of colors and patterns. 3—70 cts.; doz.—\$2.50; 100—\$18.00.

—**Robert.** One of the choice "everblooming" type, tinted white, with maroon-red center.  
 3—70 cts.; doz.—\$2.50; 100—\$18.00.

⊙ **Deltoides** (Maiden Pink). 18 inches. A charming slender-stemmed type, foliage prostrate; mass of small pink flowers graduating from carmine to light coral, during May and June. A good rock plant, and brightly effective as a close set edging plant in perennial beds.  
 3—50 cts.; doz.—\$1.80; 100—\$10.00.

⊙ **Plumarius semperflorens mixed.** Mixed varieties, noted for spicy fragrance and rich coloring, with long cutting stems; a favorite for rock gardens. 3—50 cts.; doz.—\$1.80; 100—\$10.00

## HYBRIDS

**Annie Laurie.** A large flower of orchid color with wine-red ring in center.  
 3—70 cts.; doz.—\$2.50; 100—\$15.00.

**Furst Bismarck.** ⊙ In constant luxurious bloom from early June till frozen down in late November. The color is an even rose-pink; the heavy clusters easily mistaken for polyantha roses in prime. There could be no more delightful or practical dwarf border subject, the height averaging about one foot. Does well under rockery conditions, and makes one of the most valuable pink flowering plants for that purpose.  
 3—70 cts.; doz.—\$2.50; 100—\$15.00.

**Her Majesty.** Very large flowers; purest white; an old standby.  
 3—60 cts.; doz.—\$2.00; 100—\$12.00.



Dianthus Deltoides at home among rocks

## SWEET WILLIAM

**Barbatus** (Sweet William). Great richness and variety of coloring; beautifully marked. Numerous broad compact trusses of single flowers like Phlox. **Blood Red, Giant White, Newport Pink, and Scarlet Beauty.**  
 3—50 cts.; doz.—\$1.80; 100—\$10.00.

—⊙ **latifolius atrocoeleus fl. pl.** Low spready growth, vivid rockery subject. Broad heads of double red "Sweet William."  
 3—60 cts.; doz.—\$2.00; 100—\$12.00.



Sweet William



## ⊙ DICENTRA [Bleeding Heart]

The two types offered are very desirable and effective, showing "class" among their perennial associates, with dignity and distinction. Eximia is most often massed or used as an edging; Spectabilis for punctuation here and there.

—**Eximia** (Plumy Bleeding Heart). 15 inches. Compound racemes of deep rose, the heart-shaped flowers tapering to a long slender neck. The fine-cut, celery green foliage makes a lacy mound of striking ornamental value; short-stemmed bloom always in evidence from early spring into fall.  
 3—60 cts.; doz.—\$2.00; 100—\$15.00.

—**Spectabilis.** 2 feet. One of the most delightful of all the early spring-flowering plants, bearing numerous rosy red heart shaped flowers pendent from long arching stems. These persist into June.  
 3—\$1.00; doz.—\$3.50; 100—\$25.00.

## DICTAMNUS [Gas Plant]

An interesting plant with dark ashlike foliage of pleasing fragrance; of shrubby, bushy growth, 2 to 3 feet high, extreme long life. Numerous early flowers in upright racemes. Four-year-old.

—**Rubra.** Rosy red.  
 3—70 cts.; doz.—\$2.50; 100—\$15.00.

## Doronicum Excelsum Leopard's Bane

A superb cut flower for May and June, the perfect rayed daisy flowers a brilliant canary yellow, 3 inches wide. Blooming plants average 2 feet in height, stool heavily, and are extremely showy in border or mass planting.

3—85 cts.; doz.—\$3.00; 100—\$20.00.

## NEW HARDY CARNATION

Being of similar general character and utility to Hardy Pinks, it seems fitting to here call your attention to our new Hardy Carnation, **Crimson King**. You will find this splendid novelty described on page 37.



## DIGITALIS {Foxglove}

Impressive, tall spired, heavy-foliaged plants of well known value for background massing. **ambigua.** 2 to 3 feet. Midsummer. Flowers yellow, marked with brown.

**Glant Shirley Foxgloves.** 6 to 7 feet high, with flower heads 3 feet or more long, crowded with big bell-shaped florets. Colors range from white and shell pink to deepest rose, many attractively dotted with crimson and chocolate. **Mixed.**

**gloxinaeflora.** A grand display of thimble-shaped flowers in immense spikes during July and August. Tall growing with large rough foliage. Separate colors: **White, Rose, Purple, or Mixed.**

**All: 3—60 cts.; doz.—\$2.00; 100—\$12.00.**

**ECHINOPS ritro** (Globe Thistle). 2 to 3 feet. Thistle-like plants with globular heads of deep metallic-blue flowers. Can be dried for winter decoration. Each—30 cts.; 3—70 cts.; doz.—\$2.50.

⊙ **EDELWEISS** (*Leontopodium alpinum*). A splendid, typical Alpine plant, 4 to 6 inches; small yellow flowers, June to August, surrounded by starlike heads of leaves which are clothed with a dense white woolly substance. 3—70 cts.; doz.—\$2.50; 100—\$15.00.

**ERYNGIUM amethystinum** (Sea Holly). 3 or more feet. Hard, angular stalks; fine-cut, spiny foliage; and thistle-like terminal flowers—all a glittering amethyst blue. Good for drying. Each—30 cts.; 3—70 cts.; doz.—\$2.50.

**EUPATORIUM coelestinum.** All-covering cymes of pretty purplish blue, Ageratum-like flowers. 2 feet. Blooms August to October. Valuable because of its scarce color for that late season, and a good cut flower. 3—50 cts.; doz.—\$1.80; 100—\$10.00.

**EUPHORBIA—corollata** (Flowering Spurge). 2 feet. A branchy low-growing plant with fine stems and foliage, literally covered from June to August with loose umbels of pretty white flowers. Good for cutting in long sprays; and one of the most charming mist-flowers to mix with bouquets of Larkspur, Geum, etc. Euphorbia is usually in prime just after Gypsophila is through, and before the *Thalictrums* become useful as “mixers.” 3—50 cts.; doz.—\$1.80; 100—\$10.00.

—⊙ **Myrsinites.** Small creeping plants of striking beauty, when protruding from wall pockets; or on the garden level, when the upright growth forms close ranks of blue-leaved stems. These 6-inch stems are covered with fleshy, oblong, concave, pointed blue leaves in close spirals; the spring flowers yellow in crowded umbels. 3—90 cts.; doz.—\$3.50; 100—\$20.00.

## ⊙ HARDY FERNS

Many people go to the woods for wild ferns to tuck in here and there against shady foundations. Few live or prosper; but here is a list of hardy, nursery grown varieties, for that purpose.



**Eryngium Amethystinum**

**ASPIDIUM acrostichoides** (Christmas Fern). 15 inches. “An evergreen fern,” best in shady location, deep green fronds and an excellent species for Rock Gardens.

**ASPIDIUM marginale** (Evergreen Wood Fern). 18 inches. A valuable fern for rockeries. Fronds light green three to four inches wide.

**ASPIDIUM spinulosum** (Spinulose Wood Fern; Shield Fern). 18 inches. An “evergreen fern” with handsome and finely dissected fronds. Requires a rich moist location. A splendid fern for rockeries.

**ADIANTUM pedatum** (Maidenhair). Will do well in shade or sun, not particular as to soil. Needs moisture and good drainage. Its airy poise and delicate frond texture make it an excellent pot or rockery plant. Height 15 inches.



**Funkia Subcordata Alba**

**ONOCLEA struthiopteris** (Ostrich Fern). 3½ feet. Very stately, likes partial shade and moisture, but does well in a dry location.

**Prices: 3—70 cts.; doz.—\$2.50; 100—\$15.00.**  
**One each of the five varieties for \$1.25.**

## FUNKIA {Day Lily}

Thick-leaved, substantial plants valued even more for their foliage than for their flowers. They are also among the very few really choice perennials which accept a shady location.

**Subcordata alba** (White Day Lily). Gracefully arching, very broad heart-shaped leaves of light green, with noticeable ribs. Prominent flowers in late summer; waxy white long tubes with flaring bells, pendant like lilies in whorled racemes, sweetly fragrant. Popular for low, narrow foundation planting along the east or north sides. 3—70 cts.; doz.—\$2.50; 100—\$15.00.

⊙ **Undulata variegata.** The leaves are broad and definitely fluted, pale green with a broad white central band and varying streaks; the flower stems just long enough to clear the foliage clump; small pendant blue florets in loose racemes. Being only 12 to 18 inches high, they make a very showy edging to bind in a planting of taller perennials; a good rock plant. 3—60 cts.; doz.—\$2.00; 100—\$12.00.



**Digitalis (Foxglove)**



**Doronicum Excelsum**



**GAILLARDIA grandiflora** (Blanket Flower). Makes an unfailing supply of bloom in those rich, tawny shades so highly prized. Flowers often measure 3 inches in diameter, on clean 2-foot stems. A hard center of deep maroon is thickly bordered by petals of orange and yellow, ringed by circles of crimson, red and maroon. (Kelway's improved strain). 3—50 cts.; doz.—\$1.80; 100—\$10.00.

—**Portola**. 2½ to 3 feet. A new variety of vigorous growth and flower production. The flowers are extra large and perfect, an ideal cutting type; brilliant coppery scarlet rimmed in gold. 3—60 cts.; doz.—\$2.00; 100—\$12.00.

**GEUM**. 1½ feet. Brilliant, beautifully ruffled double flowers resembling Carnations, on long slender upright stems. June to September.

—**Lady Stratheden**. Bright golden yellow.

—**Mrs. Bradshaw**. Showy double crimson-scarlet.

**Both: 3—60 cts.; doz.—\$2.00; 100—\$12.00.**

**Geranium Sanguineum** (Crane's Bill). Beautiful deeply indented foliage, plants about 18 inches high, bearing flat, phlox-like solitary flowers all summer; pale crimson. They are particularly useful for woody location and partial shade. 3—70 cts.; doz.—\$2.50; 100—\$15.00.

### GERBERA JAMESONI Transvaal Daisy

Low plants with crisp wide leaves, bearing erect flower stems to 18 inches. The terminal flowers are daisy-like, single; often four inches and more across. Slightly variable in color but in general a soft coral red, very acceptable during the early autumn. Should be mulched heavily against severe frost, or else brought into the greenhouse—where they will bloom all winter.

Each—50 cts.; 3—\$1.25; doz.—\$4.50.

### HARDY GRASSES

A few clumps of these beautiful hardy grasses give an air of tropic luxuriance, and piquant animation. *Gracillima* is the finest, densest, darkest and most sinuous. The *Eulalias* are about equal as to height (4 ft.) and quality of plumage, which make excellent dried bouquets for winter. The *Ribbon grass*, being dwarf, is used for edging.

**EULALIA**. Hardy grasses of interesting character, very useful as solitary clumps on the lawn, or as 4- to 5-ft. backgrounds, and borders. The dried plumes make excellent winter decoration.

—**gracillima univittata** (Japan Rush). Narrow green leaves with a silvery white midrib, perfectly hardy.

—**japonica variegata**. Long narrow leaves, striped green and white.

**ELYMUS glaucus** (Blue Lyme Grass). 2½ to 3 feet, the narrow silvery blue leaves arching to the ground. Valuable for a blue binding edge to shrubbery or taller grasses.

**ERIANTHUS ravenae** (Plume Grass). Resembles the hardy Pampas, but is more refined, with ½-inch by 3-ft. leaves and a stand of 7 to 12 feet. The silvery plumes are massive, sometimes 3 feet long. Each—50 cts.; 3—\$1.25; doz.—\$4.50.

○**FESTUCA glauca** (Blue Fescue). 12 inches. Just grass, but delightful as it grows in narrow-leaved dense tufts, a pretty bright blue. Much used among rocks, and for edging perennials.

**PHALARIS arundinacea variegata** (Ribbon Grass). 1½ to 2 feet. Broad leaves striped lengthwise with creamy white; for edging.

**Except noted: 3—50 cts.; doz.—\$1.80; 100—\$10.00.**



Gaillardia

### GYPHOPHILA—Baby's Breath

**Paniculata** (Baby's Breath). A branching fine-stemmed plant rapidly forming a 2- to 3-ft. mound. During mid-summer, the surface is a fleecy mass of white in loose panicles of minute, but myriad flowers. Sprays of these are largely used for mixing with high-colored flowers with delightful effect in bouquets. 3—50 cts.; doz.—\$1.80; 100—\$10.00.

#### Double Baby's Breath. (Gyp. flore pleno).

In-describably beautiful during July and August, when its 2- to 3-ft. mounds of fine-meshed branches are a silvery cloud of bloom. The tiny white florets are compactly double, larger and more of them, consequently more showy than the single type. Keep well in water and dry beautifully. Grafted plants:

Each 60 cts.; 3—\$1.40; doz.—\$5.00; 100—\$35.00.

**Bristol Fairy**. A sensational new development of the double flowered *Gypsophila*, a very valuable cutting subject, with much larger florets in fuller panicles; the blooming season naturally longer, and possible of continuous all-summer show if earlier bloom is removed. Pure white, slightly blushed in cool weather. Strong grafted plants: Each—50 cts.; 3—\$1.25; doz.—\$4.00; 100—\$30.00.

○**Repens**. A beautiful trailing plant for the rockery, with clouds of small white flowers in July and August.

—**Rosea**. Pink flowers.

**Both colors: 3—50 cts.; doz.—\$1.80; 100—\$10.00.**

**HELIENIUM**. Quick growing, branching plants which make fine individual rounded bushes, or work to advantage in the medium section of a graduated perennial group. 3 to 5 ft. high.

—**Bigelovi**. Quite showy during August with terminal clusters of 1½ inch, deep yellow flowers with dense cushion center.

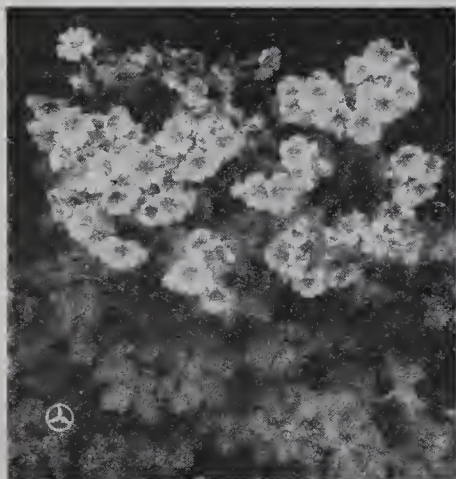
—**Riverton Gem**. Old gold gradually changing in streaks to wall-flower-red; the warm rich-shades of autumn.

**All Helieniums: 3—60 cts.; doz.—\$2.00; 100—\$15.00.**

○**HELIANTHEMUM mutabile** (Fickle Sunrose). Of procumbent shrubby character, about 12 inches high, the young growth stiffly erect. Abundant inch-wide flowers in loose racemes, capriciously varying in color from yellow and white to rose and purple. A delightful border and rockery subject. June and July. 3—60 cts.; doz.—\$2.00; 100—\$12.00.

**HELIANTHUS multiflorus plenus** (Hardy Sunflower). Rounded, compact, many-petaled like the decorative dahlias, 3 to 4 inches wide, golden yellow. This makes a beautiful late summer yellow cutflower with ample stems; the shapely, rounded, 4-ft. bush being one of the best medium background types. 3—60 cts.; doz.—\$2.00; 100—\$12.00.

### BARGAIN OFFERS PAGES 4-7



Geranium Sanguineum



Gypsophila Bristol Fairy



Helienium

Gypsophila, shown here, is very attractive for both Summer and Winter Bouquets



**Hemerocallis Flava****Hibiscus Mallow**

**HELIOPSIS excelsa** (Orange Sunflower). Dwarf type of Helianthus, blooming earlier and profusely, excellent garden subjects for yellow effect and for daily cutting. Chrome-yellow, double with 4 to 5 rows of petals. 3 feet. July-August. 3—60 cts.; doz.—\$2.00; 100—\$12.00.

### HEMEROCALLIS

Well known family resembling Lilies in character and bloom, usually sweet-scented. Varieties bear a great quantity of yellow flowers during long periods of summer.

**flava** (Lemon Lily). 3 feet. Crowned by beautiful lemon-colored flowers 3 to 4 inches in diameter, delightfully fragrant. June. 3—60 cts.; doz.—\$2.00; 100—\$12.00.

**Florham**. 3 to 3½ feet. June-July. Large trumpet flowers, golden yellow tinged a dusky Indian yellow. 3—70 cts.; doz.—\$2.50; 100—\$15.00.

**Kwanso fl. pl.** (Double Orange Lily). Strong growing and long seasoned. Flowers semi-double, deep copper color with reddish spots. 3—70 cts.; doz.—\$2.50; 100—\$15.00.

**Thunbergi**. Funnel-shaped flowers of buttercup yellow in July. 4 feet. 3—50 cts.; doz.—\$1.80; 100—\$10.00.

**HESPERIS matronalis** (Sweet Rocket). Stout, bushy plants 3 to 4 feet high, with showy terminal spikes of pink flowers in June and July. 3—60 cts.; doz.—\$2.00; 100—\$12.00.

⊙ **HEUCHERA** (Coralbells). Dainty, refined edging and rockery plants; the leaves round, scalloped and purple tinged in low tufts. The beautiful flowers are in terminal panicles on very slender upright stems borne very freely over a long summer period.

—**brizoides**. 18 to 24 inches. May and June, numerous; light pink.

—**sanguinea**. 12 to 18 inches. June to September. A gay coral red.

Price, both: 3—85 cts.; doz.—\$3.00; 100—\$20.00.

**HIBISCUS** (Mallow). Of quick shrubby growth requiring four feet of space, bearing quantities of large fall flowers like single Hollyhocks; a showy background.

—**Crimson Eye**. White with crimson throat.

—**Red Marvels**. Various shades of red.

—**White Marvels**. No throat markings.

—**Mixed Mallow Marvels**. Various color shades.

Price All: 3—60 cts.; doz.—\$2.00; 100—\$12.00.

### HOLLYHOCKS

Truly "King of the Garden." Hollyhocks inject color and picturesqueness into tall backgrounds with their densely set pillars, in height from 4 to 7 feet, ablaze throughout the summer. Set against an old, weather-worn building, they screen with a suggestion of loving care.

**Double Flowered**. Large rosettes of paper-like tissue, very compactly layered. **Crimson, Yellow, White Maroon and Pink**. 3—50 cts.; doz.—\$1.80; 100—\$10.00.

Special: 250 in assorted colors for \$20.00.

**Imperator**. A new English introduction of stately proportions and exquisite coloring. The plant is uniquely branching so that many lateral flower sprays are available for cutting, ideal deep vase subjects. The multitudinous flowers attain 4 to 7 inches in width, similar in a large way to the Crested Begonias. The bottom stratum of petals in an unbroken foundation, although sharply fluted, and deeply fringed at the rims; the center a distinct, high-built close-petaled rosette of invariably different color. Think of this effect; a rosette of cream

**S. & H. Co. Double Hollyhocks**

with roseate shadows, set on a cerise-salmon foundation; or gilded rose centering a fluffy expanse of shell pink; or bright canary nested on soft buff with rose suffusion. Many other delightful combinations occur, so that a liberal planting should reveal a widely various expression of delicate pastel shades.

Mixed: 3—70 cts.; doz.—\$2.50; 100—\$15.00.

\* **HYACINTHUS candicans**. 20 to 30 white, pendent, bell-shaped flowers on stalks 3 to 4 feet high. Blooms early and till late fall. Should be planted rather close for mutual support, preferably in straight lines, and be heavily mulched as winter protection. 3—30 cts.; doz.—\$1.00; 100—\$7.00.

⊙ **IBERIS** (Hardy Candytuft). Dwarf hardy bordering plants with handsome dark evergreen foliage, when in bloom a covering sheet of substantial flowers.

—**gibraltarica**. 12 inches. Delicate lilac flowers of rather large size. May-June.

—**sempervirens**. 10 inches. Pure white flowers, fragrant, in early spring; the plant compactly spreading. Price, both: 3—70 cts.; doz.—\$2.50; 100—\$15.00.

**Iberis—Candytuft**

"Imperator" is illustrated in Special Hollyhock Offer on page 6.

Special Rock Garden Plants are listed on Pages 31, 32



# IRIS

**I**RISES are extensively used in solid rows or evenly spaced groups along the backyard walks; in the foreground of shrubby groups, and to some extent in narrow spaces against the foundation—as much on account of their compact, hedging foliage so attractive all the year, as for the beauty of their flowers. But the garden is their rightful home, and modern interest and appreciation accord them high honor and garden prominence. For beautiful effect plant varieties in groups of six of a kind. Our plants are well rooted quality stock.

**PRICES.** Dozens or less by mail postpaid. If wanted by express, deduct 25 cts. per dozen. The 100 rate (25 or more of a kind) is for express or freight, collect. Glad to quote on large quantities.



Alcazar

## GERMAN IRIS—Iris Germanica

The lovely "Fleur de Lis" of France, with handsome foliage; and exquisite, haunting fragrance and delicacy of tinting in their May and June flowers.

Although capable of establishment in any kind of soil, they will attain greater perfection of growth and flowering in a damp soil if well drained and fully in the sun.

### "COTTAGE 15" IRIS COLLECTION

3 for 30 cts.  
12 for \$1.00  
EACH \$7.00 per 100

- Caprice.** 7.1. Would be pleasingly noticeable in any collection; redolent with the distinctive fragrance of bruised grapes. Flowers large and rounded, claret or rich rosy lilac, a little darker in the falls.
- Cavaller.** A strong, heavy flower; the prettily ruffled standards a medium blue, the falls purple-violet.
- Corrida.** 8.3. A solid light color, aniline-blue.
- Jeanne d'Arc.** 7.3. A delicate, dainty sort of good size and form; white with edges partly cheeked and scapes heavily suffused in violet; exquisitely scented and one of the prettiest of all.
- La Neige.** 7.1. A fine, pure ivory white; flowers of good form, freedom and durability.
- Lohengrin.** 7.6. One of the choicest of the Pallida type; tall and strong growing. Flowers large and uniformly a soft orchid or Cattleya rose, graduating to rosy white at the claws.
- Loreley.** 7.3. Luscious custard yellow, the falls sharply feathered violet, with emphatic blotch of ultramarine-blue towards the end. Of short, stocky, uniform growth and profuse bloom.
- Nibelungen.** 7.3. Standards fawn; falls violet, with fawn margin; a handsome variety with distinct variegation.
- Rhein Nix.** White, with large golden beard, and heavy purple blotch in the falls.
- Sherwin-Wright.** 7.7. Solid, all-over buttercup-yellow. Bloom very freely and long lasting, although small.
- Tafteta.** Aptly named for its raw silk texture, and very popular for its unique color effect. The fluted standards are a smoky tan, scapes buff, beard gold, and falls a clouded plumbago-blue.
- Toreador.** The deeply ruffled plume is a blend of amber, buff and bronze; modified in the broad and horizontally extended falls, by a heavy reticulation (without blotches) of red-maroon.

#### Seminole.

8.3. Cheaper now, but still the best red Iris. Standards dark violet-rose; falls rich, velvety crimson. 60 cts. each. 3 for \$1.25.

13 One each of the Twelve above Postpaid for 1.65 INCLUDING FREE

## MODERN IRIS GROUP

25c  
EACH

3 for 50 cts.  
12 for \$1.80  
\$13.00 per 100

- Alcazar.** 8.6. Very large, broad petals and bulky heads; pleasingly fragrant. Standards lilac-blue with golden bronze throat; falls violet purple.
- Isoline.** 8.3. A parti-colored variety; standards pale, pinkish buff flushed with mauve; the sharply reflexed falls are Chinese violet with russet tints at the edges.
- Lent A. Williamson.** 8.8. One of the finest blue Irises; broad and massive with heavy stalks. The velvety pansy-violet falls are emphasized by the intervening bronze-gold center, and the crimped standards of lavender-violet.
- Princess Beatrice.** 9.0. The true exemplar of that noted and frequently modified type known as *pallida dalmatica*. Of distinguished plant character, strong flower stalks rising to three feet; foliage unusually heavy; flowers of regal size, sweetly scented; lavender-blue slightly silvered at base.

**Asia.** 9.3. Noble flowers of aristocratic bearing; late blooming; fragrance of cinnamon. Standards broadly massive, silvered lavender above a golden base; the falls pale reddish purple with lighter clouding at margins. 60 cts. each; 3 for \$1.25.

**Shekinah.** 8.4. Of the large flowered pallida type. Straw yellow deepening to amber in the throat, with a lemon colored beard.

**Violacea Grandiflora.** Among the latest, one of the most pleasing blue Irises new or old. Flowers are large and graceful, sweetly fragrant, a beautiful one-color shade of deep lavender-blue.



Princess Beatrice

FREE

INCLUDED WITH

7

One each of the Six Kinds above Postpaid, for

1.35

Order early for spring planting of Iris. We ship fine plants.



# ROYAL IRIS SET

**40<sup>c</sup>** each    **3 for 80<sup>c</sup>**    **12 for \$3<sup>00</sup>**    **\$20<sup>00</sup>** per 100

**Ambassadeur.** 9.2. This is one of the finest examples of progress in the bronze type which "Prosper Laugier" first popularized; vigorous growth, with strong, three-foot stems, and large flowers of great substance. The standards are a murky bronze effect, combining yellow with hyssop-violet. The broad falls are very velvety, a rich carmine-purple.

**Gold Imperial.** 8.6. A new all-over yellow, probably the best clear yellow yet. Much taller than Sherwin-Wright, larger and deeper toned than Shekinah; uniform lemon-chrome with conspicuous orange beard.

**Lord of June.** 8.8. A very tall, full-headed variety with a certain air about it; considered one of the best for exhibition purpose, and a noble garden type. The color is particularly solid light blue-violet.

**Mother of Pearl.** 8.4. A tall, free, large-flowered type, dainty but of exceptional substance. The iridescent coloring of Mother of Pearl, with white throat overlaid with gold.

**Queen Caterina.** 8.8. Extreme delicacy of coloring coupled with unusual vigor, substance and great size. A pleasingly fragrant one-color Iris; azure-lilac. A distinctive "moonlight" effect is produced by the silvery coating and reflex, the strong bronze haft, and orange beard.

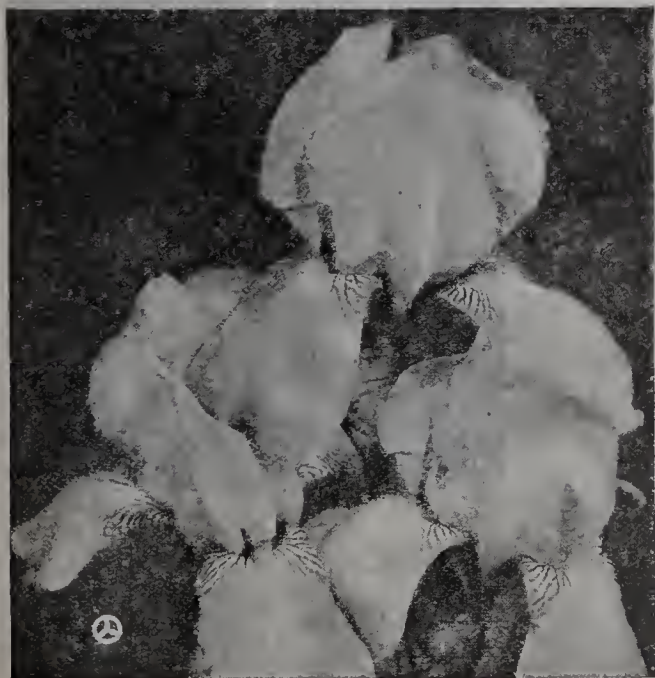
**Souv. de Mme. Gaudichau.** 9.1. A beautiful violet-blue in the overlapping standards; the drooping falls very dark and velvety in midnight purple. The entire flower is extra large, with stem and plant of commensurate character.

**7 One each of 6 kinds \$2<sup>25</sup>**  
**above POSTPAID for**

**Dominion.** 8.8. A great

Iris itself, this variety is best known as the father of many illustrious children. It introduced that delightful petal quality, the character of fine plush. Standards are dauphine-blue; falls deep, velvety indigo-purple.  
\$1.00 each; 3 for \$2.50.

**INCLUDING**  
**FREE**



Queen Caterina



## JAPANESE IRIS

**Iris Kaempferi.** Last of the wonderful Iris procession in point of season; but for size of plant and flowers, shapeliness, richness of coloring, beauty of pattern, and splendor of general effect, is unquestionably accorded first. Their flowers are generally rather flat and wide, often measuring 10 to 12 inches across, appearing in great profusion during June and July after the Germans are through. We have tried out a great many varieties, and honestly believe this assortment of ours to be the best selection and best color-balanced group which can be found. Give good, rich, light soil, plenty of water, and frequent cultivation. *The following varieties are arranged according to their relative blooming season, and consecutively so numbered.*

**PRICE:** With exception noted—

**By Mail postpaid:** Each—40 cts.; 3—\$1.00; doz.—\$3.50.

**By Express collect:** doz.—\$3.25; 100—\$25.00.

- 1—**Gekka-no-nami.** (Waves Under Moonlight). Earliest to bloom, and very free. Glistening white with creamy white stigmas.
- 2—**Koki-no-Iro.** (Purple and Gold). Enormous double flowers often ten inches across, early and free-blooming; one of the very best varieties. Color, rich violet-purple with white petaloids tipped violet. The conspicuous golden throat extends outwards in sharp bluish-white rays.
- 3—**Moniji-no-taki.** (Maple Waterfall). A choice, double, variegated variety; bright rosy crimson, beautifully feathered in white. Petaloid-stigmas white, purple crested.
- 4—**Uchiu.** (Universe). Beautiful, six-petaled flowers of largest size, on the longest stems. Color, cerulean blue with golden center and white halo from which radiate many clear white lines. Standards white, tipped blue. This variety covers the longest blooming season and is altogether one of the most attractive.
- 5—**Sea Crest.** Six-petaled, big and wavy; frost white, with a deep blue haft. A rift of blue in the glistening spray of white caps.
- 6—**Zama-no-mori.** Larger than a majority of varieties, although only three-petaled; one of the daintiest and most delightful of the delicate toned kinds. White, with a heavy azure blue zone; short white standards margined blue.
- 7—**Mahogany.** Large double flowers, among the latest to bloom. Velvet-toned, deep mahogany-red; the erect petaloids prettily crested. Each—50 cts.; 3—\$1.25; doz.—\$4.00.
- 8—**Iso-no-nami.** (Shallow Waves). A magnificent broad-petaled variety; one of the largest flowered, and the latest to bloom. Color a nebulated suffusion of rose and cerulean blue over gray, deepening toward the gold flushed center of rosy lilac.

## S & H JAPANESE IRIS SET



All but one variety full six-petaled  
All are of largest size--Each quite distinct  
Richest colors--Fancy patterns--Full season  
(See complete color illustration, color page C)

**8** One of each variety by mail postpaid for.... **\$2<sup>50</sup>**

**24** Three of each variety by mail postpaid for... **\$6<sup>40</sup>**  
or by express, collect, for \$5.90



## INTERMEDIATE IRIS

Handsome, large flowered, medium growing hybrids resultant from crossing the tall bearded Germans with the various Crimean hybrids. These are vigorous, hardy and free blooming in May just ahead of the taller Germanica class.

**Freya.** Pearl color, the falls flamed violet. Inclined to bloom again in autumn.

**Helge.** Lemon yellow with pearl shadings.

**Ingeborg.** Pure white.

**Walhalla.** Standards lavender, falls wine-red.

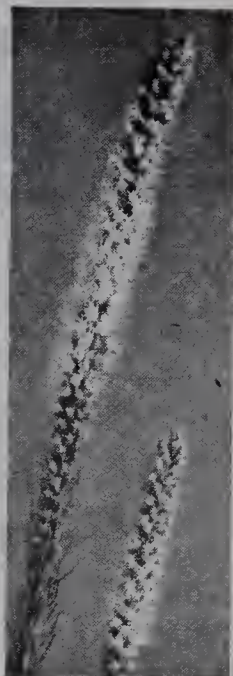
3—30 cts.; doz.—\$1.00.

1 each (4) postpaid—50 cts.

**BARGAIN  
OFFERS  
Pages 4-7**



Siberian Iris



Liatris

### ◉SIBERIAN IRIS— Iris Sibirica

Of compact habit; with narrow grassy foliage and slender upright stems furnishing a prodigious amount of medium-sized flowers during June—between the German and Japan sections. Excellent for rock-pool featuring.

**Orientalis (Atrosanguinea).** Intense violet blue, the bud enclosed in conspicuous crimson spathe valves. 3 feet.

**True Blue.** Bright blue, with white center, 4 feet.

**Snow Queen.** Ivory white, 3 feet.

**By mail, postpaid, 3—50 cts.;  
doz.—\$1.80.**

**By express, collect, doz.—  
\$1.55; 100—\$13.00.**



Intermediate Iris

### ◉DWARF IRIS—Iris Pumila

A low-growing, quickly spreading class very useful as an edging to the taller Germanica class, as a low mass bedder for earliest (April-May) bloom, and for frequent distribution in rockeries.

**Pumila Atrovioletacea.** Beautiful small flowers, violet-mauve to maroon red. Each—25 cts.; 3—70 cts.; doz.—\$2.50.

**LATHYRUS Latifolius** (Hardy Perennial Pea). A rampant climbing perennial liberally furnished with good screening foliage. Its tendrils cling well, the numerous, large flowers are typical peas but scentless, in dense clusters, continuous and long lasting either on the vine or cut.

**Pink Beauty, or White Pearl.**

3—50 cts.; doz.—\$1.80; 100—\$10.00.

**LAVANDULA Vera** (Sweet Lavender). 18 inches. July and August. Sweetly fragrant spikes of little blue flowers.

3—70 cts.; doz.—\$2.50; 100—\$15.00.

**LIATRIS.** Unique, showy, slender punctuation plants with erect flower stems foliaged like the lilies, with purple flowers in dense spikes of various lengths.

—**Pycnostachya** (Kansas Gay Feather). 4 to 5 feet. Feathery spikes of rosy purple, about 18 inches long. July-August.

—**Spicata.** 2 to 3 feet. Shorter, stockier stems, spikes 12 to 15 inches, blue-purple; best adapted to regular bedding. July to September.

—**Scariosa.** 3 to 4 feet. Deepest purple in color, with long but interrupted racemes. August-September.

**All: 3—70 cts.; doz.—\$2.50; 100—\$15.00.**

## S. & H. Hardy Lilies

**M**OST Lilies will succeed in any light, sandy or loamy soil if sufficiently enriched and properly drained. Decayed peat and leaf mold are often successfully mixed with the other soil. Well rotted cow manure is best, thoroughly mixed in; followed in after years by top dressing. Fresh manure must be avoided.

In garden planting, the bulbs should be set no less than three times their own depth, and mulched heavily after the first frosts come, for winter protection. In locating these plantings remember that Lilies object to frequent removal; they should be left undisturbed several years.

**PRICE:** Dozens or less are priced for mail delivery postpaid.

6 sold for one-half dozen price. Glad to quote on 100 lots.

**Auratum** (Gold-banded Japan Lily). This variety has ever been a great favorite. The flower heads are large, with broad petals gracefully recurved. White, thickly studded crimson-maroon, with a wide gold band down the center of each petal. July-Aug.

**Flrst Size.** Each—40 cts.; 3—\$1.00; doz.—\$3.80.

**Extra Large.** Each—50 cts.; 3—1.25; doz.—4.50.

**Auratum Platyphyllum** (Macranthum). Superior to the type, being a larger, stronger grower (6 to 10 feet), with flowers often a foot across. Has the typical waxy white color and yellow band with fewer and yellow spots.

Each—50 cts.; 3—\$1.25; doz.—\$4.50.

**Auratum Pictum.** A much stronger grower, with flowers beautifully marked; white with yellow band, the petals tipped and freely spotted with red.

Each—60 cts.; 3—\$1.50; doz.—\$5.50.

**Batemannlae.** Bright apricot tinted flowers; blooming in July-August.

Each—50 cts.; 3—\$1.25; doz.—\$4.50.

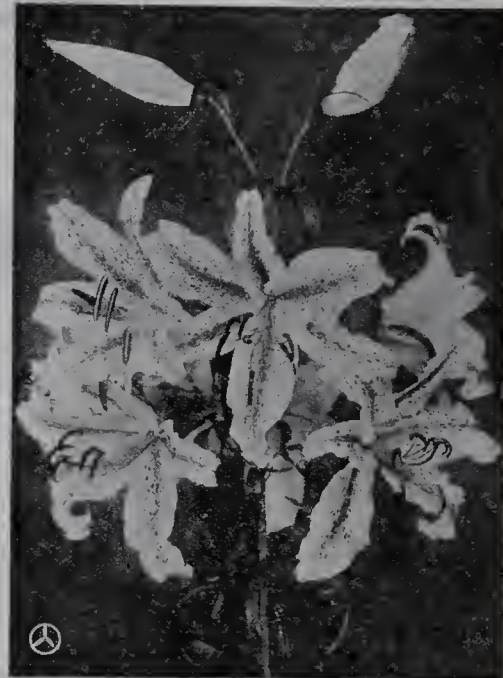
**Croceum.** A handsome, showy lily 3 to 6 feet high, with up to 20 horizontal flowers 3-4 inches in diameter. Hardy, vigorous and long lived. June and July flowers, orange yellow tinged red, spotted purplish black, anthers red.

Each—60 cts.; 3—\$1.50; doz.—\$5.50.

**Elegans Atrosanguineum** (Thunbergianum). Hardy, dwarf, stocky grower, blooming freely in June and July with large, erect, vivid flowers. Velvety blood-red inside, the outer surface sheened with gold. **Imported.** Each—50 cts.; 3—\$1.25; doz.—\$4.50.

**Hansonl.** Three to four feet. Flowers come in clusters of 8 to 12, with thick and durable petals; bright orange, spotted with brown-purple. June-July.

Each—60 cts.; 3—\$1.50; doz.—\$5.50.



Auratum

**Henryl** (Yellow Speciosum). One of the finest hardy lilies, of strong, vigorous growth, with flower stalks 3 to 5 feet long; deep apricot-yellow, lightly spotted brown. August-September.

Each—60 cts.; 3—\$1.50; doz.—\$5.50.

**Plant Irises in masses for gorgeous effects. They are easy to grow**





**Longiflorum** winter with leaves or straw. In good rich soil, the flower stalks attain 4 to 5 feet, densely covered with good lanceolate foliage, crowned with varying clusters of very large, long tubed, wide mouthed lilies. Although immaculately white, the outer surface of the flower is streaked with a delightful stain of coral pink; the deep throat being heavily gilded. The perfume is exquisite. In every way, Regal is one of the loveliest and most satisfying.

Each	3	12	By express 100
5 to 6 inches—\$0. 25	\$0. 65	\$2. 40	\$17. 00
6 to 7 inches— .30	. 75	2. 80	20. 00
7 to 8 inches— .50	1. 25	4. 50	35. 00

**Rubellum.** Very dwarf and compact, seldom more than one foot high; very pretty as a dwarf bedder, favoring a partially shaded location, and does well as a pot plant (3 bulbs to a 5-inch pot). It blooms early and liberally, with charming rose pink flowers about 3 inches long. Each—50 cts.; 3—\$1.25; doz.—\$4.50.

**Speciosum Album.** Pure white with a green band traversing the center of each petal. The Speciosums are always dependable and important. 8-9 inch. Each—50 cts.; 3—\$1.25; doz.—\$4.50.

**Speciosum Magnificum.** Superior size and character; rosy white, heavily spotted crimson. 8-9 inches. Each—40 cts.; 3—\$1.00; doz.—\$3.80.

**Speciosum Rubrum.** This is one of the joys of August; ruby spots informally distributed over a broad expanse of white. 8-9 in. Each—40 cts.; 3—\$1.00; doz.—\$3.80.

**Krameri.** Beautiful trumpet shaped flowers, exceedingly fragrant; blush to rose pink. Very dainty and pleasing. June-July. Each—50 cts. 3—\$1.25. Doz.—\$4.50.

**Longiflorum Giganteum.** One of the most reliable and fragrant forcing Lilies, rivalling the Bermuda Lily. In the garden, its snow-white trumpets appear during June and July in great abundance. Each—50 cts. 3—\$1.25. Doz.—\$4.50.

**The Regal Lily.** (Lilium Regale or Myriophyllum). Just yesterday a novelty, but now accepted generally as the most outstanding, practical bulbous plant given to our gardens during the century; available for practically any kind of drained soil, anywhere in the United States.

Plant either in fall or spring, 5 to 6 inches deep, and mulch for

⊙ **Superbum.** Runs from 3 to 6 feet in height, its nodding crests adding to the general brilliance of July and on into Sept., with from five to forty handsome blooms of orange-scarlet shaded yellow, with red anthers. Requires shade and moisture. Each—25 cts.; 3—65 cts.; doz.—\$2.40.

⊙ **Tenuifolium** (Coral Lily). A flashy little mid-summer lily, great for mass effect, good in rockeries, often potted. The flowers are tiny two-inch balls, but so numerous and so intensely scarlet they shame the larger reds. Slender stems 1 to 2 feet high, with fine-cut ferny foliage. Each—30 cts.; 3—75 cts.; doz.—\$2.80.

**Tigrinum Splendens.** Single flowers of orange, spotted black. The highly prized so well-known "Tiger Lily." **Imported.** Each—25 cts.; 3—60 cts.; doz.—\$2.30.

**Tigrinum fl. pl.** (Double Tiger Lily). **Imported.** Each—30 cts.; 3—75 cts.; doz.—\$2.80.

**Umbellatum Grandiflorum.** Tall growing as well as stocky; beautiful, upright bell-shaped flowers of coppery orange and red, sometimes slightly spotted. **Imported.** Each—35 cts.; 3—85 cts.; doz.—\$3.20.

⊙ **Lily of the Valley.** Just the thing to put into that cold, shaded strip along the walk on the east or north side of your house. The loose panicles of tiny bell-flowers set low in their emerald foliage, are not conspicuous; but they do cover the waste ground, furnish a vast amount of cut sprays and sweetly perfume the entire yard. A good rockery subject.

—**Holland Pips.** Best for winter forcing and spring planting. Doz.—60 cts.; 100—\$4.50. By express, 1000—\$40.00.



Lily of the Valley



Speciosum Rubrum, Album





Lythrum



Monarda

**MERTENSIA Virginica** (Blue Bells). 18 inches. Native of the woods and borderlands, when once established should not be disturbed. Pretty tubular flowers in drooping racemes during May and June, at first a warm blue gradually discoloring to pink.  
3—50 cts.; doz.—\$1.80; 100—\$10.00.

⊙ **MITCHELLA Repens** (Partridgeberry). Creeping evergreen plants useful as matting and under trees, or in shaded rockery. The small white flowers are pretty, but its scarlet fruits nestling among the shiny evergreen leaves are a winter delight.  
3—\$1.00; doz.—\$3.50; 100—\$20.00.

**MONARDA, Cambridge Scarlet.** A 2-foot, bushy coarse-leaved plant, covered with round, full heads of red flowers with a ragged petalage. Known as "Bergamot," "Oswego Tea," "Mint," etc., on account of the delicious fragrance of their leaves when crushed.  
3—60 cts.; doz.—\$2.00; 100—\$12.00.

⊙ **MYOSOTIS Palustris.** The true "Forget-Me-Not," appealing in its modest, azure beauty and cherished for its sentiment. Bushes up to 18 inches high, and blooms profusely during early summer.  
3—60 cts.; doz.—\$2.00; 100—\$12.00.

⊙ **Hardy Myrtle.** See Vinca minor, page 55.

⊙ **NEPETA Mussini** (Ground Ivy; Catnip). 1 to 1½ feet. A useful and pretty rock plant of dwarf, compact, quick-spreading habit, its beautiful lavender flowers produced in masses during June and again in September. 3—50 cts.; doz.—\$1.80; 100—\$10.00.

⊙ **OENOTHERA** (Evening Primrose). Fresh foliaged plants blooming practically all summer; at home in the rockery or in exposed groups under the hot sun.

— **Missouriensis.** Large, solitary, canary yellow single flowers 3 to 5 inches in diameter; the plant itself prostrate, with ascending branches.

— **Youngi.** Bright lemon yellow, 1 to 2-inch flowers in numerous small clusters; plant stocky and upright, with shiny foliage, 18 inches.

Price, both: 3—60 cts.; doz.—\$2.00; 100—\$12.00

**LINUM Perenne** (Blue Flax). Very desirable within dwarf perennial beds, very much at home in rockeries. The plant bushes up evenly about 24 to 30 inches with feathery, glaucous foliage; the surface spangled with perfectly round, flat, solitary, azure-blue flowers from May to August. A fresh crop with each morning's dew. 3—50 cts.; doz.—\$1.80; 100—\$10.00.

—⊙ **Flavum** (Golden Flax). 18 inches. Flat, larger leaves, and smaller flowers a transparent golden yellow. June-July. 3—50 cts.; doz.—\$1.80; 100—\$10.00.

**LOBELIA Cardinalis** (Cardinal Flower). Intense cardinal-red flowers arranged in stocky spikes 15 to 18 inches long, keep the plant aflame throughout August and September. Naturalizes easily in widely varied soils and degrees of light and moisture. 3—70 cts.; doz.—\$2.50; 100—\$15.00.

**LUPINUS Polyphyllus** (Lupine). Conspicuous, lovely flower spikes a foot long, on 3-foot stems, the foliage below also attractive in many-leaved whorls. Although the plant is hardy, it must be guarded carefully against drying out. The flowers are pea-shaped, very evenly spaced along the spike. In separate colors — **Blue, Rose or White.** 3—70 cts.; doz.—\$2.50; 100—\$15.00.

**LYCHNIS.** Thrifty plants of moderate growth valued for the blazy effectiveness of their summer flowers.

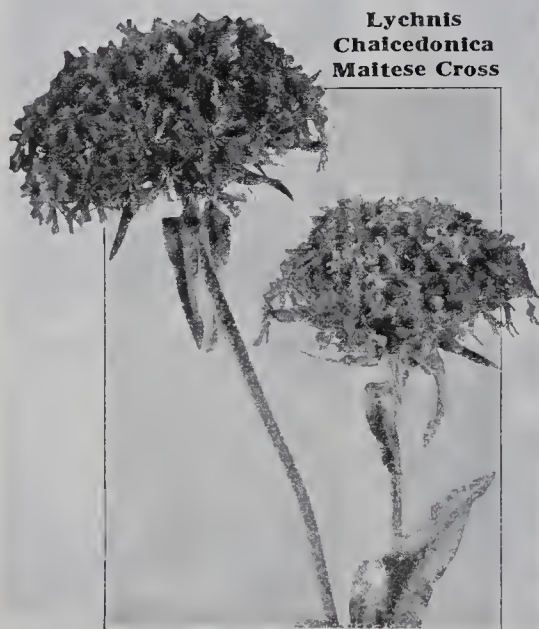
— **Chalcedonica** (Maltese Cross). 2½ feet. Heart-lobed stars of brightest vermilion, arranged in large flat panicles. 3—60 cts.; doz.—\$2.00; 100—\$12.00.

— **Haageana.** Extremely brilliant and showy orange-scarlet, individual flowers 1½ to 2 inches wide. 1 foot. 3—70 cts.; doz.—\$2.50; 100—\$15.00.

— **Viscaria fl. pl.** (Lamp Flower). A bushy plant 2 to 2½ feet high. Almost evergreen foliage; in June and July fairly ablaze with close spikes of crimson flowers. Double. 3—85 cts.; doz.—\$3.00; 100—\$18.00.

**LYTHRUM Roseum Superbum** (Loosestrife). Shrubby perennials growing 2 to 5 feet under varied cultivation, at their best in cool and moist location, although quite successful in the average border and among shrubs. Bright rose colored flowers are borne freely in long terminal racemes from June intermittently to September.

3—70 cts.; doz.—\$2.50; 100—\$15.00.



Lychnis  
Chalcedonica  
Maltese Cross



Lupine



⊙ **PACHYSANDRA Terminalis** (Japanese Spurge). One of the best ground covering plants, particularly valuable in shade, averaging 6 to 8 inches in height and branching freely into a dense mat. Its shapely indented foliage is practically evergreen; thick, rubbery, lustrous dark green. Should be set 4 inches apart each way.  
Doz.—\$2.00; 100—\$12.00; 1060—\$90.00.

**PENTSTEMON, Coral Gem.** 3 feet. Small, brilliant, coral-red bells in uncrowded distribution along slender, nodding stems. They do not take up much room, but are showy, sparkling among other flower heads. July and August.

— **Huntington's Pink.** 2½ to 3 feet. Inclined to rigid erectness; the flowers and spikes extra large; shiny shell-pink.

Both: 3—50 cts.; doz.—\$2.00; 100—\$12.00.



# Spring Clearance Sale of Fine Peonies

## Extra Low Special Prices

The Peony bears the first big flower crop of June and is a close rival of the Rose. While in season, it is more lavish in its bloom, and makes the more pretentious show, besides which it is hardier and more easily cultivated. Peony blooms are very lasting when cut, and in most cases are exquisitely scented. Plant 2 to 3 feet apart in deep, rich well-prepared soil, covering the buds but an inch or two. Do not expect much of them the first year, as they are slow in establishing themselves.

The most natural time to plant Peonies is early in September, but early spring planting—March 15 to April 15—is just as reliable for establishing the plants. If you can buy roots at bargain spring prices, the one season handicap on a good flower crop is certainly not a serious objection, particularly where a large planting is desired.

We are offering below what is left on hand in our assembly grounds of the divisions brought in and prepared for last fall's sale. Rather than transplant them ourselves, we offer them at greatly reduced prices, for your consideration and benefit. **These special clearance prices must be considered without prejudice to regular prices for next fall's listing.**

**DOUBLE PEONIES** 3 to 5 Eye Divisions  
**"CLEARANCE" BARGAIN PRICE SCHEDULE**

Each	3	Doz.
25 cts.	70 cts.	\$2.50
35 cts.	\$1.00	3.50
50 cts.	1.40	5.00
60 cts.	1.70	6.00

All above offers postpaid.

**Alexander Dumas.** 7.1. Early; pink interspersed with salmon, white and chamois. Medium size, crown-type; good for massing and a splendid cut flower. 25 cts.

**Augustin d'Hour.** 7.8. Deep solferinored, with slight silvery reflex; high, full bomb center. 50 cts.

**Baroness Schroeder.** 9.0. An extra good cut flower sort, of large size and full rose type. Opens flesh white but bleaches to pure white; very fragrant; midseason. 60 cts.

**Couronne d'Or.** 8.1. One of the best late whites. Flowers large and broad, richly illumined by its visible golden collars. 35 cts.

**Duchesse de Nemours.** 8.1. Large and full; shapeliest, best commercial white, uniquely tinged with sulphur. 25 cts.

**Duke of Wellington.** High centered white, guards slightly blushed. 25 cts.

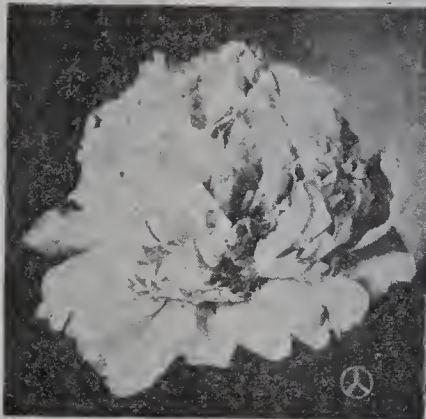
**Germaine Bigot.** 8.5. A splendid bedding variety, the clustered flowers broad and massive, completely enveloping the bush. The rounded petals are an intermingling of pale rose, white and ivory with shell pink suffusion, the golden stamens peeping out between layers. 60 cts.

**La Tulipe.** 7.5. White with long, wide petals, occasionally blotched, and outside of base streaked carmine. 25 cts.

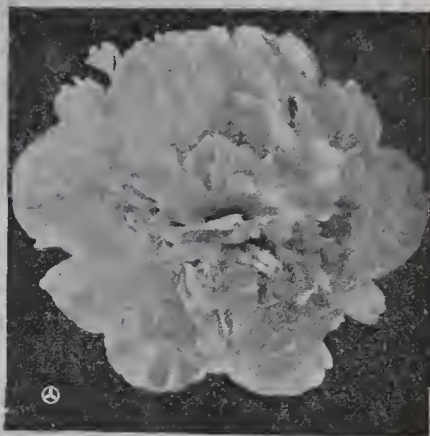
**L'Indispensable.** 7.3. Tall, late midseason, very free, the flowers of thick globular rose type; uniform flesh pink, eventually white. 25 cts.

**Marie Lemoine (Calot).** Dwarf, extra late, and very choice in the bud. White, faintly tinged chamois. 50 cts.

**Marguerite Gerard.** 8.4. Magnificent, thick heads of Hydrangea pink, marbled on creamy white and further enriched by collars of golden anthers. 35 cts.



Mme. Ducl



Marguerite Gerard

**Melssonier.** Deep velvety cardinal, violet tipped. Flowers large and high-built, with a close center of twisted and imbricated petals. This is one of the most satisfying of the later blooming reds, called "American Beauty." 50 cts.

**Mlle. Leonie Calot.** 8.1. A fine old bedding sort. Its clustered flowers are large and beautifully formed; a warm blush white, dusted with varying shades of pink. 25 cts.

**Mme. de Verneville.** 7.9. Medium sized, globular flower, petals crinkly and semi-transparent. Creamy white flaked purple at center. A delightful, clustered bedder. 25 cts.

**Mme. Ducl.** 7.9. One of the choicest varieties for cutting both as to form and color. Shaped like the high built Chrysanthemums, and colored evenly a warm, true pink, its beauty is irresistible. One of the extremely few kinds to hold its original form to the last. 50 cts.

## Clearance Peony Mixture

Our optional association of good named kinds from listed varieties on this page, together with choice "odds-and-ends" not in sufficient quantities to warrant listing here by name. You will find this collection well worth while, and a rare price bargain.

By Express Collect:			
25 for	\$5.00	100 for	\$18.00
By Mail Postpaid:			
5 for	\$1.50	10 for	\$2.75



Marie Lemoine

**Mme. Emile Gaile.** 8.5. Late blooming; one of the daintiest and most delicate, yet full of substance. Shell shaped petals of blush, waxy white at base; center a warm shell pink. The half opened buds are exquisite. 35 cts.

**Mons. Jules Elie.** 9.2. The peerless pure pink. Broad reflexing guards with a high pyramidal body of semi-quilled petals converging to an apex. One of the largest, handsomest and most lasting cutting sorts in existence. 60 cts.

**Octave de May.** 8.5. Very large flat crown. Guards and center pale hydrangea pink, collar almost white. Rather dwarf habit; but free, fragrant midseason bloom. 35 cts.

**Officinals Rubra fl. pl.** 8.6. Rich deep crimson; the great Decoration Day Peony. 60 cts.

**Solange (Lemoine).** 9.7. Unusually large, full, compact, globular crown type, with magnificent round, amber-white buds; late. Very delicate lilac-white tinged progressively with amber to salmon at the heart. One of the choicest modern introductions, unique in its lovely color, and still rare. \$2.00.

**Virginie.** 7.6. Extremely floriferous, very large, and a gorgeous bedding show. Soft pink varied with straw color and white. Although heavily petaled and at first compact, its tendency is to relax and acquire a richer beauty with the revelation of its golden stamens. Blooms lavishly in clusters and is sweetly fragrant. 25 cts.





FUYAJO

## SAKATA'S JAPANESE PEONIES

A Storrs & Harrison Specialty  
at Sacrifice Spring Prices

A type which is awakening great interest and enthusiasm. The opened flowers are of extra wide spread, with one or more layers of broad guard petals which act as cup to the mounded center. In this class the stamens and anthers are greatly enlarged into narrow, thick, twisted petaloids of various colors, forming a dense cushion.

**11—Yoochi-no-tsuki** ("Shadow of moon in a rippled pool.") Six to eight-inch flowers with prominent cushion center; white, occasionally flushed pink, with amber-cream petaloids. **\$1.25.**

**15—Fuyajo** ("A Sleepless Castle.") 9.2. This is the darkest, richest and most distinctively Japanese of our group. Broad rounded guards of velvety mahogany red. The fine, early petaloids form a conspicuous, dense center; garnet, streaked on reverse side and heavily tipped with light bronze. **\$4.00.**

**20—Fuji-no-mine** ("Top of the Fuji Mountain.") A very large and free-blooming sort; white, with rich cream center. Among several other whites, this variety shows an individual grace and distinction of class. **\$1.25.**

**42—"Rose of Nippon."** A wonderfully free bloomer, a persistent mass of brilliant 6-inch flowers. Very deep rose, the broadly prominent center darkened by carmine, and illumined by countless starpoints of both silver and gold. Many centers are slightly tufted. **\$2.50.**

**47—Fuji-zome-gorono** ("A wisteria colored gown.") Inexpressibly beautiful in its matchless symmetry, and delicate color tones. Immense, flattened, poppy-shaped flowers borne very freely. The two-layered guards are broadly rounded, an exquisite shade of satiny, wisteria-pink. The crinkly cushion is pure gold, toned warmly towards the base with coral. **\$6.00.**

**60—Nana-henge-shibori** ("A striped color.") Very late. Deep rose, heavily splashed with carmine. At first full bomb shape, eventually revealing a variegated central cushion of gold and carmine; the now reflexed guards carrying streaks of green and yellow. **\$1.25.**

**88—OkI-no-naml** ("Waves in the far-off sea.") Tall, free-flowering and showy. Pale hydrangea pink rippled on white; with full, fine cut center of peach, pink and cream. It does not require a strong imagination to get the Japanese descriptive impression. **\$2.00.**

**94—Haku-sel-koh** ("A white star light.") Good sized, compact; glistering white, with full center pale gold. **75 cts.**

### Jap Peony Special

Have something different  
than your neighbor!

**Yoochi-no-tsuki.**  
White.

**Rose of Nippon.**  
Deep rose.

**OkI-no-Naml.**  
Pink and white.

**One each  
(3 roots) \$5.00  
By mail,  
Postpaid.**

Bargain list value, \$5.75



Commander-Phlox

# HARDY PHLOX

**P**ERENNIAL Phlox can be used to advantage in the hardy border, in large groups on the lawn, or planted in front of belts of shrubbery, where by judicious pinching back and removing faded flowers, a constant succession of bloom may be had until frost. Our list of varieties has been largely increased and strengthened through importation from the best European growers during the past few years. **Strong field grown roots.**  
**PRICES: Dozens or less, by mail postpaid. The price per 100 is for express collect. 6 at dozen rate; 25 at hundred rate.**

### PRICE SCHEDULE FOR PHLOXES

Each	3	Dozen	100 (Express)
20 cts.	\$0.50	\$1.80	\$12.00
25 cts.	.60	2.30	15.00
30 cts.	.75	2.80	18.00

## PHLOX PANICULATA

The following 16 choice varieties:

**20¢ EACH**    **3 for 50c**    **12 for \$1.80**    **\$12 per 100**  
**POSTPAID**    **by Express**

**Baron van Dedem.** Large trusses of round florets, a beautiful shade of orange-red tinged with old rose.

**Baron van Heeckeren.** A splendid new variety of extra large size, and strong salmon-pink color.

**B. Comte.** Brilliant, rich and highly pleasing to the eye; French purple or wine color.

**Beacon.** Outstanding modern red; good size, good habit, vivid coloring—unmixed, ripe cherry red.

**Commander.** Exceptionally large flowered, with strong and bushy growth. Luminous cherry-red with conspicuous dark eye.

**Enchantress.** Soft salmon-pink with a dark red eye. Compared with Elizabeth Campbell, it shows greater vigor, more attractive shiny foliage, and a warmer salmon tone.

**Europa.** A particularly strong, sturdy and distinct variety, white with prominent crimson-carmine iris.

**Gloire du Maroc.** At first clear purple, maturing to lavender blue, set off by a large crimson eye.

**Jules Sandeau.** A magnificent variety of most reliable blooming habit, although of moderate height. The flowers are extremely large, made up into broad trusses of delightful appearance; soft, lilac-pink.

**Miss Lingard.** Longest spikes of any phlox—blooms from the ground up; the earliest blooming, sweetly fragrant. Waxy white with lavender eye.

**Mrs. Jenkins.** Early and free, one of the best tall kinds. Flowers large, pure white.

**Nicolas Flammel.** A beautiful new red; bright carmine-lake with golden salmon suffusion and crimson eye.

**Rheinlander.** Mottled salmon-pink intensified by a distinct claret-red eye. Flowers and truss of large size.

**R. P. Struthers.** A smooth blending of rosy carmine, with salmon; claret-red eye. A choice soft red.

**Ryndstrom.** A lively Neyron shade of rose-pink.

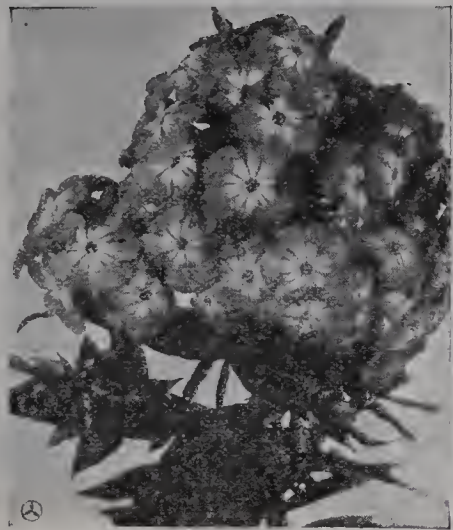
**Thor.** A charming variety with very large flowers; soft ruddy salmon with a bleached mottling about the eye of aniline red.

**16 ONE EACH OF ABOVE BY \$2.25  
MAIL POSTPAID, FOR . . .**

Phlox is a reliable midsummer blooming perennial taking up 18 to 24 inches space



## Exhibition Phlox Set of Imported NOVELTIES



Widar

ONE OF EACH  
(10 Plants)  
By Mail \$2.40  
Postpaid

OR  
TWO OF EACH  
(20 Plants)  
By Mail \$4.50  
Postpaid

**Africa.** Brilliant carmine red, with blood red eye. Shapely flower heads of large florets. A vigorous, healthy grower; and in every way a superior new red variety. 30 cts.

**Ethel Pritchard.** A beautiful self shade of rose-mauve. One of the extra fine new sorts, and would be a rare solid true lavender, were it not for a certain luminous warmth which gives it a livelier expression. 30 cts.

**Graf Zeppelin.** A new calico-type; a good grower, very free flowering, with no fading or suffusing of color; pure white with vermilion eye. 25 cts.

**H. B. May.** A European novelty impressive for the size of its flat florets, and the soft, dainty general effect of its large trusses. Silver white evenly blushed, the color focusing strongly at center, as soft carmine pink. A strong, thrifty grower and free bloomer. 30 cts.

**Marechal French.** A new European introduction of dignity and merit. Tall, erect, prolific of massive flower heads; deep scarlet with blood-red eye. 25 cts.

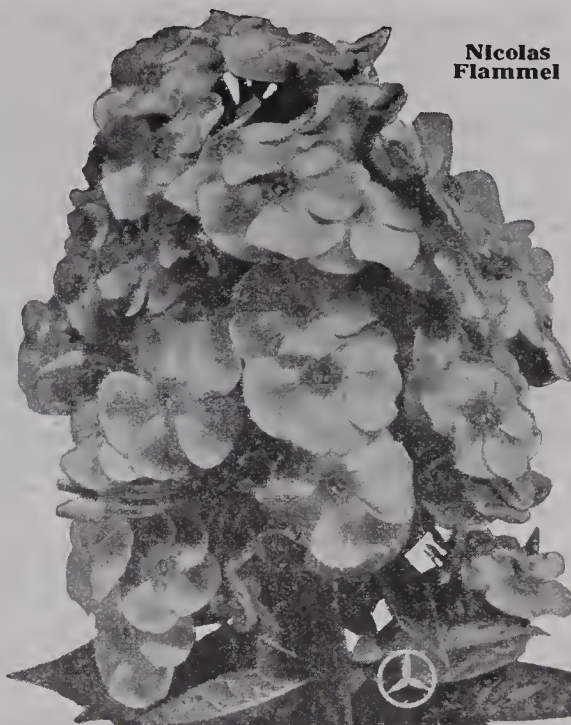
**Mia Ruys.** A much branched dwarf type not over 18 inches high, producing extra large flowers and trusses of pure waxy white. 25 cts.

**Milly van Hoboken.** Shell pink with silvered reverse and varying mauve suffusion, the general color effect brightly enriched by the carmine eye. Large, shapely trusses and florets. 25 cts.

**Paladin.** One of the best of our most recently acquired French phloxes. The truss is broadly imposing, the rounded florets a warm salmon pink with a large cherry-red eye. 25 cts.

**Von Hochberg.** A recent novelty of extra size and depth of color; liquid amaranth-red. Altho neither crimson, orange, or scarlet—we consider this the richest, most impressive of all red phloxes. 30 cts.

**Widar.** New, and one of the best of the distinctly two-color varieties; free blooming and consistent. Light reddish violet, with a striking white sunburst at center. 25 cts.

Nicolas  
Flammel

Phlox Subulata in the Rock Garden

## PHLOX SUBULATA (Moss Pink)

Ground covering, creeping phlox, or "Moss Pink." Often used for covering graves, surrounding old stumps and even large growing trees. A striking bordering plant for early spring, growing to a wide mat, the bloom all-covering. Very popular as a filler in large rock gardens.

**Alba.** White, 20 cts.

**Rosea.** Bright rose-pink, 20 cts.

**Vivid.** Brightest pink with fiery red eye, extremely showy, 25 cts.

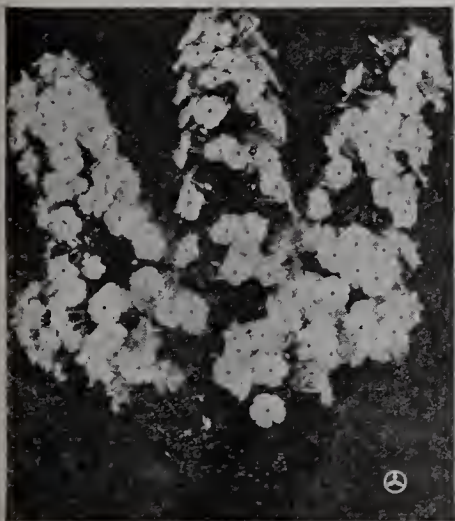
## VARIOUS PHLOXES

**Amoena.** A fine ground cover, about 4 inches high, a delightful sheet of bright pink flowers in spring. 20 cts.

**Divaricata.** A native Phlox very useful in landscaping. Blooms freely during April and May, the light lavender flowers of large size and fragrance. 20 cts.

## ROCK GARDEN PLANTS

and directions for making Rock Gardens are given on pages 31 and 32. See also Bargain Offers pages 4-7.



Miss Lingard-Page 50



Ethel Pritchard

Phlox Subulata and P. Divaricata are delightful companions for Darwin tulips in the spring border.



**PHYSALIS Franchetii** (Chinese Lantern Plant). Grown for the large bladder-like, orange-red fruits in autumn. May be dried for winter decoration.  
3—50 cts.; doz.—\$1.80; 100—\$10.00.

**PHYSOSTEGIA** (False Dragonhead). Handsome mid-summer flowering plants, 2 to 3 feet high; bearing broad, dense, conspicuous spikes of tubular flowers.

—**Speciosa Alba**. Pure white.

—**Virginica, Vivid**. Extra broad florets, deep purplish rose. Blooms two weeks later than the white, and lasts a long time in water.

**Both:** 3—60 cts.; doz.—\$2.00; 100—\$12.00.

⊙ **PLATYCODON Grandiflorum** (Balloon Flower). 2 to 3 feet. Blooms constantly from July until late September; flowers large, bell-shaped in numerous loose racemes. **Blue or White**.

—**Mariesi**. Numerous 2-inch indigo-blue bells; more compact and dwarf growing than *Grandiflorum*, and blooms earlier. **All:** 3—50 cts.; doz.—\$1.80; 100—\$10.00.

⊙ **PLUMBAGO Larpentae** (Leadwort). An attractive 12-inch edging plant, quickly spreading into a compact mat. The tiny leaves of apple green are a rich setting for spiky red buds, and clusters of phlox-like cobalt blue flowers late in summer. Although this plant gives excellent results in partial shade, it is also surprisingly hardy in hot sand, against a west side foundation, for instance, and in exposed rockeries. 3—60 cts.; doz.—\$2.00; 100—\$12.00.

⊙ **POLYANTHUS**. 6 to 12 inch edging plants, resplendent throughout the spring months with showy single flowers. Very similar to the hardy Primroses, but larger flowered; with ornamental rounded tufts of foliage. Set about 12 inches apart. **Red, Yellow or Mixed**. 3—85 cts.; doz.—\$3.00; 100—\$20.00.

## POPPIES [Papaver]

The massive flowers of the Oriental Poppy and its splendid hybrids, are blotches of vivid coloring against the prevailing greens of early spring. For many weeks the thick foliage clumps are emerald ornaments to any group or garden. After their passing, the comparatively tiny Iceland Poppies carry on, brilliant but more modest and dainty. All should be well protected for winter, and carefully nurtured.

⊙ **ALPINUM**. 8 inches. Glaucous foliage, nearly stemless; the small, dainty flowers all summer in various uncertain colors, often fringed. 3—85 cts.; doz.—\$3.00; 100—\$18.00.

⊙ **NUDICAULE**. The "Iceland Poppies" bloom with extravagant freedom during early summer, and



"Chinese Lantern Plant"



Pyrethrum Hybridum

in lesser degree throughout; 2-inch saucer-shaped flowers on slender stems, making delightful bouquets, as well as a vivid garden show. They are charming plants for small pockets in the rock gardens. Offered in separate colors—**Lemon, Orange, or White**; and **Mixed**. 3—70 cts.; doz.—\$2.50; 100—\$15.00.

**ORIENTALIS**. The long known "Oriental Poppy," with great cup-shaped flowers of orange scarlet, heavily black blotched at base. 3—70 cts.; doz.—\$2.50; 100—\$15.00.

—**Mrs. Perry**. Orange-apricot with faint lilac suffusion. 3—\$1.00; doz.—\$3.50.

—**Perry's White**. Very large and shapely, pure white. Each—50 cts.; 3—\$1.40; doz.—\$5.00.

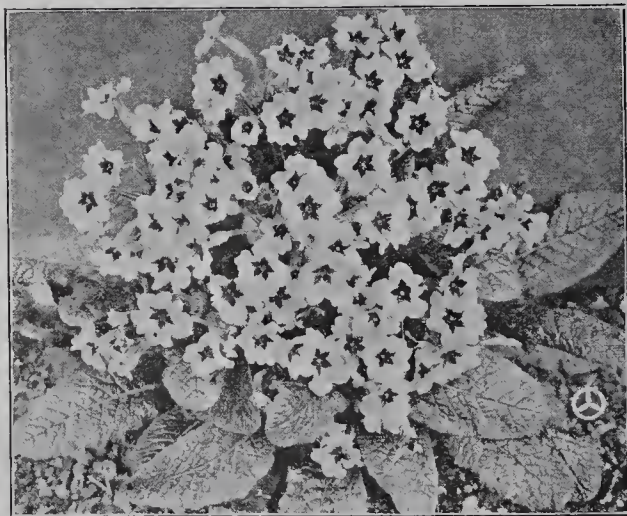
⊙ **PRIMULA Veris** (Cowslip). Little groups among the shading elements of shrubbery are popular; dainty edging for garden beds and in rockeries, both for foliage and early spring bloom. Plants 4 to 8 inches high, with scented flower umbels mainly yellow, but varying shades with darker center. 3—85 cts.; doz.—\$3.00; 100—\$20.00.

**PYRETHRUM Hybridum** (Painted Daisy). 2½ feet. A colorful garden show from June on throughout the summer, and also a charming cut flower with long slender stems. The flower construction varies from a full petaled anemone or Marguerite shape, to a larger size in plain single. See illustration on color page F. **Mixed** shades of red, pink, etc. 3—70 cts.; doz.—\$2.50; 100—\$15.00.



Physostegia

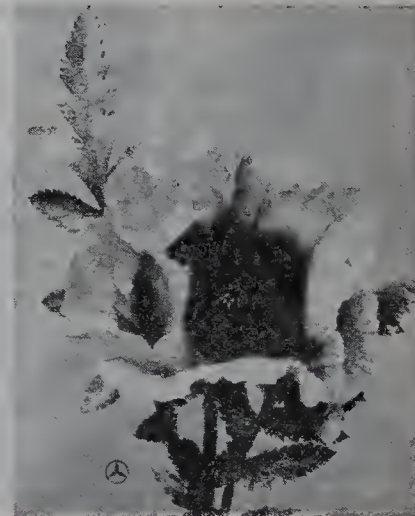
## Plant This Year While Low Prices Prevail



Polyanthus Giant Yellow



Platycodon



Papaver Orientale—Mrs. Perry

Add variety and continual round of bloom in your garden with Perennials.





**Purple Cone-flower**

2 to 3 feet. 3—60 cts.; doz.—\$2.00; 100—\$12.00.

**SALVIA Pitcheri.** A much-branched, densely blooming type of the Rocky Mountain Sage, its wands 3 to 4 feet high; a rich, deep shade of gentian-blue. August-September. Even prettier than Larkspur, in bouquets with Euphorbia or Baby Breath. 3—70 cts.; doz.—\$2.50; 100—\$15.00.

◎ **SAPONARIA ocymoides** (Soapwort). A branchy, trailing rock-plant densely clothed with small round leaves; from May to July brightly spangled with small pink flower umbels. 3—70 cts.; doz.—\$2.50; 100—\$15.00.

◎ **SAXIFRAGA** (Saxifrage or Rockfoil). Valuable, highly prized units for the rock garden; their large, fleshy, shiny leaves continuously ornamental, in some cases persisting into winter. They require plenty of water, partial sun and nourishment.

—**cordifolia.** 2 feet. Very large heart-shaped leaves; flowers clear rose in dense, nodding cymes. May. Each—40 cts.; 3—\$1.00; doz.—\$3.50; 100—\$25.00.

**SCABIOSA caucasica** (Blue Bonnet). Very showy, freely produced cut flowers, on stems 18 to 24 inches long. June to September. **Blue.** 3—70 cts.; doz.—\$2.50; 100—\$15.00.

## ◎ **SEDUM [Stonecrop]**

A diversified, interesting and very useful family, the backbone of rock gardening; and fitting beautifully into the edging and low plant situations of general gardening. Mainly very low growing, close jointed, densely spreading, good in shade or sun. **Acre** (Golden Moss). 2 to 3 inches. Minute foliage very dense like moss, dark green; flowers similar to leaves, an all-covering golden yellow sheet. May to July. Used for ribboning, carpet bedding, covering graves, and filling between rocks and flagstones.

**Album.** 2 to 3 inches. A miniature forest of upright stems clothed with waxy, tubular, green leaves; terminal clusters of tiny white flowers. May to July.

**Spurium Coccineum.** 6 to 8 inches. Thrifty, loose growth with kite-shaped leaves, very showy, July-August, with fringy, upright panicles of crimson bloom. **Three above—3—50 cts.; doz.—\$1.80; 100—\$10.00.**



**Rudbeckia Golden Glow**



**Scabiosa caucasica**

◎ **RANUNCULUS repens fl. pl.** (Double Buttercup). A quickly spreading frequent rooting trailing plant, useful as a ground covering. Masses of yellow button flowers during May and June. The foliage is small, refined, densely set on its numerous runners; rather thick and rubbery, dark green and lustrous.

—**acris fl. pl.** Similar to repens, but having much longer flower stems, is more suitable for cutting.

**Both: 3—60 cts.; doz.—\$2.00; 100—\$12.00.**

**RUDBECKIA—**(“Golden Glow”). 5 to 7 feet; early in summer until frost. Double, dahlia-like, golden yellow flowers. 3—50 cts.; doz.—\$1.80; 100—\$10.00.

—**purpurea** (Purple Coneflower). Large drooping petals colored reddish purple, with a remarkably large cone-shaped center of brown, thickly set with golden tips in spiral lines.



**Sedum Spectabile—Showy Sedum**

**Glaucum.** 1 to 3 inches. Similar to the mossy Lydium, except its color is bright blue-gray; bluish white flowers.

**Kamtschaticum.** 8 inches. Robust and vigorous, prostrate, quickly spreading. The wide flat leaves are scalloped, arranged in partial rosettes, fresh green turning yellow in autumn. The 1/4-inch florets are perfect stars of orange-yellow drying to red, hovering in clusters close to the leaf-axils. Very showy.

**Lydium.** 1 to 3 inches. The smallest Sedum; close groups of little round balls made up of the tiniest green beads, the color changing to purplish bronze; pinkish June flowers.

**Sieboldi.** 8 to 10 inches. Reddish stems with alternating tiers of opposite 3/4-inch leaves,—round, thick, rubbery blue-green with red rim. The bright pink flowers are charming. August-September.

**Four above—3—70 cts.; doz.—\$2.50; 100—\$15.00.**

**Spectabilis.** 15 to 18 inches. An excellent bordering variety with big, saucer-like, sage green leaves of rubbery texture stacked up in diminishing tiers, the upper surface covered in September, with massive flat cymes of rose-colored flowers.

—**Brilliant.** Like above, except its bloom is deep crimson.

**Two above—3—60 cts.; doz.—\$2.00; 100—\$12.00.**

## ◎ **SEMPERVIVUM [House Leek]**

A most interesting group of small succulents; ideally fitted for use in the crevices of wall and rock garden. The leaves are thick and rubbery, arranged in usually tight rosettes; expansion being by a surrounding colony of exact replicas even in their tiniest stage.

**Arachnoideum minus** (Small Cobweb House Leek). Four inches. Small, dense rosettes in close root-association. The tips of leaves are laced together by a cobweb of silvery threads; the short-stemmed flowers are bright red in loose panicles.

Each—40 cts.; 3—\$1.10; doz.—\$4.00; 100—\$25.00.

**Atrorhizaceum.** 8 inches. The largest rosettes, about 4 inches diameter at maturity, and then colored a deep reddish purple.

Each—50 cts.; 3—\$1.40; doz.—\$5.00; 100—\$30.00.

**Gloiblerum.** Flattened rosettes 2 to 3 inches across; the broad, uncrowded leaves gray-green lightly tipped brown. 3/4-inch yellow flowers in densely hairy panicles a foot high.

Each—35 cts.; 3—90 cts.; doz.—\$3.00; 100—\$20.00.

**Tectorum** (“Hen-and-Chickens”). 12 inches. This is the funny old plant always a source of delight to us youngsters in Grandmother’s garden. The central rosette averages 3 to 4 inches across, with long, up-curving, pale green leaves having purple pointed tips; the flowers pale red. Hovering snugly all around and even peeping up between the wings, are the brood of tiny little “chicks.”

Each—35 cts.; 3—90 cts.; doz.—\$3.00; 100—\$20.00.





Spirea Ulmaria



Stokesia



Thalictrum Aquilegifolium

**SIDALCEA, Rosy Gem** (Greek Mallow). Erect, branching, with foliage like Larkspur; loose spikes of 1 to 2 inches, rose-colored flowers in June-July. Needs full sunshine. 3—70 cts.; doz.—\$2.50; 100—\$15.00.

**SPIREA Ulmaria** (Meadow Sweet). June-July. Best in partially shaded, moist location; 3-ft. plumes of cottony white flowers. 3—70 cts.; doz.—\$2.50; 100—\$15.00.

—**Fillipendula** (Dropwort). Numerous white flowers on 15-inch stems. June-July. Dark fernlike foliage. 3—85 cts.; doz.—\$3.00; 100—\$20.00.

**STATICE Latifolia** (Sea Lavender). 15 to 18 inches. Leathery foliage, minute blue flowers, similar to Forget-me-not, in 18-inch heads. Last for months if dried. 3—70 cts.; doz.—\$2.50; 100—\$15.00.

**STOKESIA Cyanea** (Stokes' Aster). A 2-ft. bushy plant, bloom July to October. Flowers often 4 to 5 inches in diameter. **Lavender.** 3—60 cts.; doz.—\$2.00; 100—\$12.00.

### Perennials for Shady Places

Aconitum	Funkia	Platycodon
Anemone	Hemerocallis	Pyrethrum
Japonica	Hepatica	Roseum
Aquilegia	Heuchera	Pachysandra
Lily of the Valley	Candytuft	Spirea
Bleeding Heart	Monarda	Thalictrum



Statice Latifolia

## TEUCRIUM

—**Canadense** (American Germander). Six-inch spikes of rosy purple flowers. July-August. The attractive dark toothed foliage is of varying type, to 5 inches long.

**Chamaedrys.** Actually a procumbent shrub with densely ascending stems. Small flower whorls in loose spikes, bright rose with white and red spots. The valuable foliage is dense, small, round, dark, glossy—closely resembling dwarf Boxwood for which less hardy item it is often substituted. Can be clipped to any desired height up to 12 inches.

**Both: Each—50 cts.; 3—\$1.40; doz.—\$5.00; 100—\$30.00.**

**THALICTRUM** (Meadow Rue). "Mist" plants, fine cut foliage and heads of tiny flowers. Widely branched, the blooming tops occupying 18 to 30 inches.

—**Adiantifolium.** 2 feet. Foliage like maidenhair fern, very desirable as a filler in rockery. Flowers in June or July, a tinted white.

—**Aquilegifolium.** 1 to 3 feet. Scalloped Columbine foliage; white flower balls. May to July. This variety shows the largest distinctive bloom.

—**Purpureum.** Purple flowers in June; companion to above.

**Three above: 3—60 cts.; doz.—\$2.00; 100—\$12.00.**

—**Glaucum.** 3 to 4 feet. Finely cut blue-gray leaves; fragrant flower heads of Chinese yellow. July.

—**Dipterocarpum.** 4 feet. Fine cut foliage, immense flower sprays brightened by a bunch of lemon yellow stamens and anthers. August-September.

**Two above: 3—70 cts.; doz.—\$2.50; 100—\$18.00.**

**THERMOPSIS Caroliniana.** 3 feet. Looks very much like a yellow Lupine; with attractive foliage like clover, and tall spikes of pea-shaped yellow flowers in June-July. 3—\$1.10; doz.—\$4.00; 100—\$25.00.

—**Thymus** (Thyme). The charming Mountain Thymes make a dense, perfect carpet of foliage, of great value for covering dry banks where grass will not easily persist, giving out a pleasing fragrance under the hot sun. They are very useful in rockeries, and provide a rich carpet for blocks of spring-flowering bulbs; their bloom all covering in June-July.

—**Citriflorus** (Creeping Thyme). Lemon scented; golden yellow.

—**Lanuginosus** (Woolly Thyme). Silvery foliage, reddish pink.

—**Serpyllum Album** (White Mountain Thyme). Dense mats of dark green foliage, with clouds of tiny white flowers.

—**Coccineum.** Crimson-scarlet bloom in dense sheets.

—**Vulgare** (Common Thyme). 2 inch. Flowers pale lilac. June-July.

**Price: 3—70 cts.; doz.—\$2.50; 100—\$15.00.**

**TRADESCANTIA Virginica** (Spiderwort). 2 to 2½ feet. Broad, grasslike foliage; clustered blossoms all summer. **Blue or White.** 3—50 cts.; doz.—\$1.80; 100—\$10.00.





Hardy Heliotrope



Hacker's Variegated Leaf Yucca



Veronica Longifolia Subsessilis

**S. & H. Tritoma Pfitzeri.** (Red Hot Poker). Semi-tropical and showiest of all garden plants in bloom. We claim our strain to be the most perfect obtainable. Rush-like foliage with thick flower stalks a yard long, a single fiery cone at top. Brilliant scarlet, lower petals rimmed with orange. Blooms July to October. A magnificent cut flower. Mulch for winter protection. 3—70 cts.; doz.—\$2.50; 100—\$18.00.

**TROLLIUS Europaeus** (Globe Flower). 2 feet. Foliage like Larkspur; 1½ to 2 inch bloom on long stems, May-June, glorified globe-shaped Buttercups, waxy, lemon yellow. Each—35 cts.; 3—\$1.00; doz.—\$3.50.

© **TUNICA Saxifraga.** Tufted hair-fine grass plant; tiny pink flowers all summer; for rockery or border. 3—50 cts.; doz.—\$1.80; 100—\$10.00.

**VALERIANA—Officinalis** (Hardy Heliotrope). 3 to 4 feet. Thick spikes of white flowers, slightly roseate, with strong heliotrope scent. June-July.

— **Coccinea.** 2 feet. Reddish pink flowers, in upright panicles like hyacinths. June to Oct.

— **Alba.** White flower spikes.

**Price:** 3—70 cts.; doz.—\$2.50; 100—\$15.00.

© **VERONICA** (Speedwell). Blue flowers, varying in size and shade, for borders and rockeries.

— **Incana.** 1 foot. Silver foliage; violet-blue flowers. July-August.

— **Longifolia Subsessilis** (Blue Bird Flower). 2 feet. Long bronze-green leaves, deep indigo-blue flowers. July to September.

— **Rupestris Nana.** 1 to 2 feet. Creeping plants with small, dark leaves. Gentian-blue flowers. April and May.

— **Rosea.** Lilac-mauve flowers.

**All Veronicas:** 3—70 cts.; doz.—\$2.50; 100—\$15.00.

**VINCA Minor** (Hardy Myrtle). A trailing evergreen for carpeting where it is too shady for grass; on sloping banks not too dry. Single lilac-blue flowers in early summer. **3-inch pots,** 10 to 12 runners. Doz.—\$2.00; 100—\$12.00; 1,000—\$100.00.

**Field grown:** Doz.—\$1.80; 100—\$10.00; 1,000—\$80.00.

### © **VIOLA** [Tufted Pansy]

Dwarf edging plant, hybrids of Alpine Violet and Garden Pansy; blooms 8 months. Brilliant color spots in the rockery.

**Admiration.** Velvety wine-purple.

**Blue Perfection—Golden Yellow—White Perfection.**

**Jersey Gem.** A new variety, dwarf, bushy and continuous; pure, rich violet; slightly perfumed.

3—60 cts.; doz.—\$2.00; 100—\$12.00.

**Sutton's Apricot.** A new, rich apricot color much in demand.

3—70 cts.; doz.—\$2.50; 100—\$15.00.



The "Red Hot Poker"

## YUCCA

**Filamentosa.** (Spanish Bayonet). Sword-like evergreen foliage; pendent clustered white bells. 1 year. Each—30 cts.; 3—70 cts.; Doz.—\$2.50; 100—\$15.00.

### Hacker's Variegated Leaf

**Yucca.** Similar to above, but the leaves are bronze-green striped and the outer edge widely bordered with yellow. Keeps its striking foliage all winter. Strong 1 year plants. Each—65 cts.; 3—\$1.75; Doz.—\$6.00; 100—\$35.00.

## Just in Case You Hesitated Too Long

before ordering your supply of Hardy Perennials,—by May 1st, for instance, perennials having advanced beyond a safe transplanting condition,—permit us to suggest that our extensive list of Pot-Grown Annuals on page 30, provides many delightful substitutes for filling up vacancies in your planting scheme, to tide you over until fall when the perennials you desired are again available.

This service of ours has helped out a great many embarrassed gardeners, and incidentally has inspired the creation of an extra section of all annuals, for another year.



Trollius—Globe Flower

Although our prices are greatly reduced, the same S. & H. quality is maintained.



# SEED DEPARTMENT



An Extremely Important Division in America's LEADING DEPARTMENTAL NURSERY.

We Promise 24 Hour Delivery Service on All Seed Orders

## VEGETABLE SEEDS

**Absolutely Reliable**

**O**UR Seeds are sold direct from grower to you. This catalog is the only agent we employ. Our entire resources are devoted to supplying the finest stock obtainable at the lowest reasonable prices.

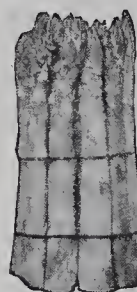
**Days Required.** We have placed in figures after the name of most varieties of vegetables, the approximate number of days required from seed sowing, for that variety to reach the stage when it is ready for harvest and market. This feature has received much commendation from our customers for the valuable service it renders them. These figures are based upon tests made in our own locality under average growing conditions. It should be borne in mind, however, that as locations, climate, rainfall and soil all have so much to do with crop production, the number of days given will vary with differing conditions.

**About Prices.** At prices named, all Seeds you may order in Packets, Ounces, Half-Pounds, Pounds or Two Pounds, will be delivered **by mail, postpaid**. Special postpaid prices on larger quantities are listed for Beans, Corn and Peas.

### Express Price Is Less

If you should desire your order shipped by **express or freight** at your expense, **DEDUCT** from the listed postpaid prices as follows:

½ lb.	1 lb.	2 lbs.	5 lbs.	10 lbs.
5 cts.	10 cts.	20 cts.	25 cts.	50 cts.



### ASPARAGUS SEED

**CULTURE.** Seed of asparagus should be sown early in the spring, in drills 2 inches deep. When seedlings are 1 or 2 years old, transplant (for the family garden) 12 to 18 inches apart in the row, and cover crowns to a depth of 2 inches. For commercial usage plant in rows 4 to 5 feet apart, placing crowns 8 to 10 inches apart in the row. One ounce to 50 feet of drill.

**Washington Pedigreed.** (2 years.) The result of long experimentation by the U. S. Department of Agriculture. Combines strong quick growth, extreme size, uniform development of stalks, dark green color and delicious flavor; with its greatest distinguishing quality—that of being rust-resistant. Those who grow asparagus in quantity for marketing will appreciate this feature. Pkt., 10 cts.; oz., 15 cts.; ¼ lb., 45 cts.; 1 lb., \$1.25.

**Mary Washington.** This variety seems to be the top-notch among rust-resistant sorts. It is very early, producing large shoots even the second year from seed. These are very large, frequently an inch in diameter, with a tendency to be oval in cross-section. Its high-branching habit makes it possible to cut shoots, with good tight tip buds, as much as 2 feet long. The seeds of Mary Washington are large and produce strong, thrifty seedlings right from the start. Pkt., 10 cts.; oz., 15 cts.; ¼ lb., 45 cts.; 1 lb., \$1.25.

ROOTS of Asparagus are offered on page 136.

## BEANS

**CULTURE.** A light loam is best. Plant as soon as the ground has become thoroughly warm, in rows from two feet for hand cultivation, to three feet apart for horse cultivation, and every two weeks for a succession. Cultivate thoroughly and often, keeping a mulch of loose soil at all times but when in bloom, cultivate shallow, as deep cultivation at this time causes many blossoms to drop, decreasing the yield. One pound for 100 feet of row, 45 to 100 pounds per acre.

### Our Guarantee of Genuineness

We exercise great diligence and care to have all of our seeds true to name, and hold ourselves in readiness, on proper proof, to replace free of charge, all seed that may prove untrue to name, or refund the amount paid. It is, however, mutually understood and agreed to between the purchaser and ourselves, that our guarantee of genuineness shall in no case make us liable for any sum greater than that originally received for the seeds that proved untrue.

(Signed) The Storrs & Harrison Co.

### MAIL PRICE OF ALL BEANS—(Except Bush Limas)

Pkt.	½ lb.	1 lb.	2 lbs.	5 lbs.	10 lbs.
.10	.20	.35	.65	\$1.25	\$2.40

10 lbs. or more by express, not prepaid, at 18 cts. per lb.

### GREEN PODDED BUSH BEANS

**Dwarf Horticultural.** (Roman Bean.) (40 days.) A favorite in Italian gardening, becoming popular everywhere. The curved pods of medium length are gay with carmine splashes on the successively green to yellow skin. The beans are fair-sized, tender, and of fine flavor, equally good as snaps, shelled or dried.

**Early Bountiful.** (42 days.) Very good looking, hardy and very vigorous plants, practically rust and mildew proof. One of the very first beans available in spring, prolific at all times, and among the latest to quit production in the fall. The pods are uniform, extra long, broad, meaty although flat, absolutely stringless and continuously brittle; of rich green color and distinctive flavor.

**Full Measure.** (45 days.) A comparatively new sort worth trying. It is ready for table use a few days later than Stringless Green-Pod, and very productive, as indicated by its name. The fine stringless green pod is about 6 inches long, straight, round, and very fleshy.

**Black Valentine.** (40 days.) Vigorous; very long and slender round pods of quality. For very early planting it stands cold and damp soil better than any other sort.

**Red Valentine.** (40 days.) A standard early variety. Pods of medium length, round, fleshy, tender and of good flavor.

**Stringless Green Pod.** (40 days.) One of the earliest and hardiest, producing an abundance of handsome round pods, many of which measure 6 inches in length, practically stringless. In addition to the excellence of its eating quality, and stringlessness, this variety has a long bearing season, which makes it very desirable for the small garden. Seed dark brown.



Stringless Green Pod Bush Beans

For increased yield—Use the inoculator "NITRAGIN" with your Bean Seed



## YELLOW PODDED OR WAX BUSH BEANS

**Davis Kidney Wax.** (40 days.) This returns a large yield of handsome pods which are long, flat, clear waxy white and do not stain in canning. One of the best sorts for market as it ships well, delivering in good condition.

**Dwarf Unrivalled Wax.** (30 days.) Notable as the earliest wax pod bean. Admirable for its beauty; quickly acquiring the transparent yellow color from base to tip, without blemish. The pod is a straight six inches, only the tip curving, to increase its artistic appeal and avoid contact with the dirt. An extremely heavy cropper noticeably free from rust and blight, the beans of excellent flavor, in pods of long-season tenderness. (See illustration on color page G.)

**Early Wonder Wax.** (35 days.) One of the earliest wax beans, becoming edible in 35 days and bearing bountifully during a long season, apparently regardless of whether it is wet or dry. Makes a strong plant 18 inches high with ever greater spread, always well set with pods 5 to 7 inches long. These are flat, plump, meaty, and of a tender brittleness; their clear yellow color seldom scarred by rust.

**Improved Golden Wax.** (40 days.) Pods are of good length, oval and quite thick, entirely stringless; of clear, waxy, golden yellow color, and fine buttery flavor.

**Pencil Pod Black Wax.** (40 days.) An extremely prolific cropper, of true bush form, maturing early; beans measure 6 to 8 inches long, slightly curved; pencil thick; brittle, stringless; golden.

**Round Pod Kidney Wax (Brittle Wax).** (40 days.) Two popular characteristics of this bean are its freedom from disease and the abundance of large, lemon yellow, fleshy round pods which hang thickly on the plants, of fine flavor, stringless and free from rust.

**Wardwell's Kidney Wax.** (48 days.) One of the most popular in this section, the large size of the pods making it especially desirable for either home or market use. The strong vines yield abundantly, pods long, flat, broad, brittle, and of a delicate waxy yellow.

## POLE OR RUNNING BEANS

Plant 10th to 15th of May in this latitude. Soil should be well enriched. Set poles 4 feet apart each way; plant six to eight beans around them; when well started, thin to three plants to each hill.

**Early Golden Cluster Wax.** (72 days.) The finest of all the wax podded pole beans. It bears profusely its large, flat, golden yellow pods in clusters of three to six from bottom to top of pole, and continues in bearing long. Seed white.

**Old Homestead or Kentucky Wonder.** (65 days.) An excellent green podded variety; enormously productive, the long pods hanging in great clusters along the entire vine. Seed dark brown. Of varying pod length, but in their best young, brittle and most delectable state will average 7 to 8 inches.

### Kentucky Wonder Wax.

(50 days.) One of the earliest bearing pole beans, producing liberal crops of straight, thick, meaty, light yellow pods 8 to 9 inches long. These are brittle and delightfully flavored, similar to the older Kentucky Wonder, but different in shape and color.

**Lazy Wife.** (70 days.) One of the best for snaps of the later green podded Pole Beans. Pods borne in large clusters, are long, broad thick, fleshy.

## POLE LIMA BEANS

Being tender and liable to rot in the ground if it is cold and wet, must be planted later, say about the last of May or first week in June. Plant about 1 inch deep, with the eye down. Set poles 3 feet apart at time of sowing. Be liberal with seed, but thin to three or four plants.



Kentucky Wonder Pole Bean

**Carpinteria.** A new early variety which bears abundantly, with three to five large, meaty beans to the pod. These are of rarest flavor and quality, retaining their distinguishing green color even after being dried. We would say this sort is one of the very best.

## POLE LIMA BEANS—Contd.

**Early Leviathan.** (75 days.) Very productive, pods contain from three to four large tender beans of the best quality and fine flavor.

**Giant Podded.** (90 days.) A prodigious cropper, with great clusters of well filled pods, both pod and beans very large.

**King of the Garden.** (90 days.) A vigorous grower bearing profusely. The beans are of good size and have a flavor unsurpassed by any variety.

### BUSH LIMA BEANS

Identical with the pole varieties in size of pods. Plant in 3-foot rows, 4 inches apart; or in hills, 2 feet apart in the row.

### Burpee Improved Bush Lima.

(85 days.) Excellent flavored beans, borne on large vigorous plants. Extremely prolific, hanging in enormous clusters. Pods contain from 4 to 6 beans of greenish color. Pkt., 10 cts.; 1/2 lb., 25 cts.; lb., 40 cts.; 2 lbs., 75 cts.; 5 lbs., \$1.35; 10 lbs., \$2.70. 10 lbs. or more by express at 22 cts. per lb.

### Fordhook Bush Lima.

(80 days.) Makes an ideal bushy growth with stiffly erect stem and branches. An enormous bearer of plump well-filled pods which are borne in clusters of four to six, all ready for use at the same time. The beans are large, thick, of greenish color, and of most excellent quality. Pkt., 10 cts.; 1/2 lb., 25 cts.; lb., 45 cts.; 2 lbs., 80 cts.; 5 lbs., \$1.50; 10 lbs., \$2.80. 10 lbs. or more by express at 23 cts. per lb.

## FIELD BEANS

**Navy.** (60 days.) A sure cropper, productive, and best quality; much desired for baking. Dry beans, small, oval, white; green podded.

**Red Kidney.** (60 days.) Large flat pods well-filled with red, kidney-shaped beans. One of the best varieties for use as a dry cooking bean.

**White Kidney.** (60 days.) Pure white beans even larger than Marrowfat, cooking up as quickly as potatoes when dry; of delicious flavor and tempting appearance in their green-shelled stage.

**White Marrow.** (60 days.) Extensively grown for sale as a field bean for winter use. Seeds large white, twice the size of the Navy or Pea bean.



Fordhook Bush Lima Beans (Actual Size)

## 50¢ EARLY VEGETABLE Sow - at - one - time COLLECTION

1 Pkt.—Beans—Improved Golden Wax.....	price .10
1 Pkt.—Beet—Crimson Globe.....	price .10
1 Pkt.—Carrot—Chantenay.....	price .10
1 Pkt.—Lettuce—Grand Rapids.....	price .10
1 Pkt.—Peas—First and Best.....	price .10
1 Pkt.—Radish—Early Round Scarlet.....	price .10
1 Pkt.—Spinach—Princess Juliana.....	price .10

Value..... 70 cts.

This Collection postpaid to You, 50 cts.

Picking Beans from the vine is a real pleasure—Equalled only by the eating of them



# BEETS for Table Use

Beets should have a rich loam soil. In preparing your seed bed, pulverize as fine as possible. Cultivate thoroughly and often. Sow as early as ground can be worked, in drills from 12 to 18 inches for hand culture, to 2½ feet for horse cultivation; cover to a depth of 1 to 2 inches. Thin to a stand of 4 to 6 inches apart in the rows. **One ounce to 60 feet of drill; 5 to 6 pounds per acre.**

**PRICE.** Pkt., 10 cts.; oz. 15 cts.; ¼ lb., 35 cts.; lb., \$1.00.

**Crimson Globe.** (45 days.) Of fine shape, with a smooth and attractive dark red skin and small tap root. The interior is a rich deep crimson and fine grained in texture.

**Crosby's Egyptian.** (40 days.) Improved Early Egyptian; thicker, smoother, better color and quality.

**Detroit Dark Red.** (50 days.) Globular; smooth, dark blood red; flesh bright, tender, sweet. (Shown in color on page G.)

**Early Model.** (45 days.) Early, of perfect, globe shape, and fine quality. The beets are always smooth, of the deepest blood red color and quickly attain a good size.

**Eclipse.** (45 days.) Early, extra fine quality, smooth, round; skin and flesh red, fine grained and sweet.

**Early Wonder.** (40 days.) Suitable for either spring or fall sowing. Roots are globe shaped and uniform, small tops; skin and flesh very deep red.

**Half Long Blood.** (65 days.) Best for winter use.

**Swiss Chard Lucullus.** The plants grow to a height of 2 to 2½ feet. The stalks are heavily ribbed, and from 10 to 12 inches long below the leaf; are delicious when cooked and served in the same manner as asparagus. The leaves are large, heavily crumpled or "savoyed," crisply tender and of fine flavor. The leafy portion of the foliage is cooked and served in the same manner as spinach.

## Brussels Sprouts



Highly esteemed for boiling during the late fall and winter months. The sprouts resemble miniature cabbages, growing closely to the stalk of the plant, being produced in abundance from tip to ground level. Quality and flavor much improved by frost. Seed should be sown thinly in drills early in June, the plants reset when 6 inches high into rows 3 to 4 feet apart, 18 to 24 inches apart in the row.

**Improved Dwarf.** (125 days.) The very best Long Island grown seed. Grows 1½ feet high, and is very productive. Pkt., 10 cts.; ½ oz., 20 cts.; oz., 35 cts.; ¼ lb., \$1.00.



American  
Drumhead  
Savoy



Crimson Globe Beets

## Sugar Beets & Mangels for Stock Feeding

Thinned to 8 to 12 inches in the row. Thorough and frequent cultivation is essential when young, but discontinue as soon as the roots mature, indicated by drying of leaves. Store in earth-covered heaps.

**Giant Half Sugar Rose.** (95 days.) White, with a rosy top; flesh pure white.

**Golden Tankard.** (95 days.) A golden fleshed mangel; roots half long and very large.

**Klein Wanzleben.** (65 days.) A large yielder, grown for sugar, and winter food for cows.

**Mammoth Long Red.** (115 days.) Long, smooth roots of large size.

**MAIL PRICE:** Oz., 10 cts.; ¼ lb., 20 cts.; lb., 60 cts.; 5 lbs., \$2.25; 10 lbs., \$4.25.

## BROCCOLI

**Italian Green Sprouting.** A new and distinct variety of the sprouting type. It forms a large head consisting of a cluster of bluish green flower-heads. When this central head is removed the plant develops numerous lateral sprouts, each of which produces a small head. These are cut, leaving about 6 inches of the stem, and are tied in bunches for market. Both stems and heads are cooked and served like cauliflower. Ready for market in about 90 days.

Pkt., 10 cts.; ¼ oz., 20 cts.; ½ oz., 35 cts.; oz., 65 cts.; ¼ lb., \$2.00.

## CABBAGE

**CULTURE.** The early varieties should be sown very early in the spring in hot bed or later in open ground. Plant out 18 inches by 2 feet apart. The late varieties are usually sown by the last of May and the plants set out in July, in rows 3 feet apart and 2 feet apart in the rows. One ounce will produce 3,000 plants. One-quarter pound of seed in beds, enough for an acre.

**All Head Early.** (90 days.) Of the flat head type. The earliest of all large cabbage. They are solid.

Pkt., 10 cts.; ½ oz., 15 cts.; oz., 25 cts.; ¼ lb., 75 cts.; lb., \$2.25.

**All Seasons.** (95 days.) The heads are extremely hard and solid; round, flattened on top, and ready to market nearly as soon as Early Summer, but larger. It is called All Seasons because it is as good for winter as for early summer.

Pkt., 10 cts.; ½ oz., 15 cts.; oz., 25 cts.; ¼ lb., 75 cts.; lb., \$2.25.

**American Drumhead Savoy.** (110 days.) The Savoy excels all other cabbages in flavor, and this is the best of the Savoy.

Pkt., 10 cts.; ½ oz., 20 cts.; oz., 35 cts.; ¼ lb., 85 cts.; lb., \$2.50.

**Copenhagen Market.** (75 days.) Produces magnificent heads similar to Danish Ball Head, weighing from 8 to 10 pounds. We unhesitatingly recommend this variety to commercial grower and home gardener alike, as worthy of extensive planting.

Pkt., 10 cts.; ½ oz., 20 cts.; oz., 35 cts.; ¼ lb., 85 cts.; lb., \$2.50.

**Danish Ball Head.** (120 days.) Dutch Winter or Hollander. The heads are of medium size, solid and deep, averaging in weight nearly 8 pounds. Their quality is superior and they are just as solid in spring as when put away in the fall.

Pkt., 10 cts.; ½ oz., 20 cts.; oz., 35 cts.; ¼ lb., 85 cts.; lb., \$2.50.

**Early Jersey Wakefield.** (75 days.) This is the hardiest and the hardest heading of the extra early sorts, and most Northern gardeners depend upon it for their first crop.

Pkt., 10 cts.; ½ oz., 15 cts.; oz., 25 cts.; ¼ lb., 75 cts.; lb., \$2.25.



**CABBAGE—Contd.**

**Golden Acre.** (70 days.) A recent Danish introduction, valuable for these important features: extreme earliness; uniform size and development, with the desirable firmness of later sorts; extra hardiness which maintains perfect condition a long time in the field and on far shipments. Round heads of medium size.

Pkt., 10 cts.;  $\frac{1}{2}$  oz., 25 cts.; oz., 45 cts.;  $\frac{1}{4}$  lb., \$1.25; lb., \$3.50.

**Mammoth Rock Red.** (110 days.) By far the best, largest and hardest heading Red Cabbage ever introduced. The plant is large, with numerous spreading leaves, and the head large, very solid, deep red inside as well as out.

Pkt., 10 cts.;  $\frac{1}{2}$  oz., 20 cts.; oz., 35 cts.;  $\frac{1}{4}$  lb., \$1.00.

**Premium Flat Dutch.** (110 days.) A good cabbage for late use. It possesses all the good qualities of the late Flat Dutch, and is a sure header.

Pkt., 10 cts.;  $\frac{1}{2}$  oz., 15 cts.; oz., 25 cts.;  $\frac{1}{4}$  lb., 75 cts.; lb., \$2.25.

**Sure Head.** (100 days.) Makes a solid large head, with few outer leaves. A strong, vigorous grower.

Pkt., 10 cts.;  $\frac{1}{2}$  oz., 15 cts.; oz., 25 cts.;  $\frac{1}{4}$  lb., 75 cts.; lb., \$2.25.

**CHINESE CABBAGE**

**CULTURE.** For early use sow in hot bed in February or March. When 4 inches high transplant, if the weather is suitable, 1 foot apart in  $2\frac{1}{2}$ -foot rows. For late or main crops, sow in August or early September.

**Pe Tsai.** While not a cabbage, it is closely related, both belonging to the Brassica family. When well grown, makes a head 15 inches long and 4 to 5 inches in diameter, blanching to a beautiful white. May be eaten as a salad or is delicious when cooked in the various ways cabbage is served.

Pkt., 10 cts.;  $\frac{1}{2}$  oz., 20 cts.; oz., 35 cts.;  $\frac{1}{4}$  lb., \$1.00.

**CARROTS****Chinese Cabbage**

**CULTURE.** Cover the seed about  $\frac{1}{2}$  inch, pressing the soil firmly. Sow as early in spring as the ground can be worked; and for late crop from May 1st to June 1st, in drills 15 inches apart. Thin to 3 or 4 inches apart in row.  $2\frac{1}{2}$  lbs. of seed will sow an acre, or 1 oz. to 200 feet of drill.

**Chantenay.** (60 days.) Uniform shape, intermediate in size, deep golden orange; fine for table use.

Pkt., 10 cts.; oz., 15 cts.;  $\frac{1}{4}$  lb., 35 cts.; lb., \$1.00.

**Red Cored Chantenay.** (60 days.) Combining into one Carrot the size, shape and general characteristics of Chantenay, with the advantages attributed to Nantes for slicing, and dicing for soups, salads, etc. Like Nantes, the heart is the same color as the flesh, tender, and does not turn yellow when cooked.

The outstanding features of this strain are the smoothness and refinement of its roots, the excellent color of both interior and exterior, which is a deeper orange than the regular Chantenay. The roots are very uniform, perfectly shaped, have unusually small tap roots and small collars. The tops are shorter, foliage finer cut but firm and substantial for bunching.

Pkt., 10 cts.; oz., 20 cts.;  $\frac{1}{4}$  lb., 45 cts.; lb., \$1.35.

**Danvers.** (75 days.) A smooth carrot of good size. One of the best for stock feeding. Pkt., 10 cts.; oz., 15 cts.;  $\frac{1}{4}$  lb., 35 cts.; lb., \$1.00.

**Ox Heart.** (75 days.) A variety good either for family use or market, and profitable for feeding. Pkt., 10 cts.; oz., 15 cts.;  $\frac{1}{4}$  lb., 35 cts.; lb., \$1.00.

**Improved Long Orange.** (75 days.) A long variety.

Pkt., 10 cts.; oz., 15 cts.;  $\frac{1}{4}$  lb., 35 cts.; lb., \$1.00.

**Improved Nantes.** (65 days.) Half-long, almost cylindrical, blunt end and very small tap root. Flesh fine grained, with very little core, the skin orange, and very smooth; one of the best table sorts.

Pkt., 10 cts.; oz., 15 cts.;  $\frac{1}{4}$  lb., 40 cts.; lb., \$1.00.

**Pride of Denmark.** This new carrot from Denmark, is immensely productive; of increased size (6 to 8 inches long); and attractive deep orange color which continues all the way through. The shape is an improvement, being practically the same thickness from end to end. The quality is unsurpassed.

Pkt., 10 cts.; oz., 20 cts.;  $\frac{1}{4}$  lb., 45 cts.; lb., \$1.35.

**Chantenay Carrots**

Carrots are good for the human complexion

**Copenhagen Market****CAULIFLOWER****Early Snowball Cauliflower**

**CULTURE.** Cauliflower are partial to a rich fibrous loam well charged with humus. An occasional light dressing of nitrate of soda and potash are beneficial. Make the soil as fine as possible for every transplanting, and do not allow the young plants to become checked at any time for want of water. For spring and early summer use, sow in January or February in hotbed, and transplant to cold frames 2 or 3 inches apart, when sufficiently large; and to the garden 24 to 30 inches each way, as soon as the ground is warm enough. For late autumn crops sow in the early part of June, and transplant in July. When the heads are formed, tie the leaves up over them to blanch.

**Danish Giant or Dry Weather.** (100 days.) A late variety and a splendid drought resister. Heads are large and while not so close as Snowball or Erfurt it makes a splendid pickling type. Sure header even in dry weather.

**Early Snowball.** (90 days.) Very early, and one of the surest to head. If seed is sown March 1st, large-sized heads will be produced early in June. Its dwarf habit of growth renders it one of the best for forcing under glass. Valuable for late planting also.

**Both Kinds:**

Pkt., 15 cts.;

$\frac{1}{4}$  oz., 50 cts.;

$\frac{1}{2}$  oz., 90 cts.;

oz., \$1.75.



# CELERY

for Home Use  
or Marketing

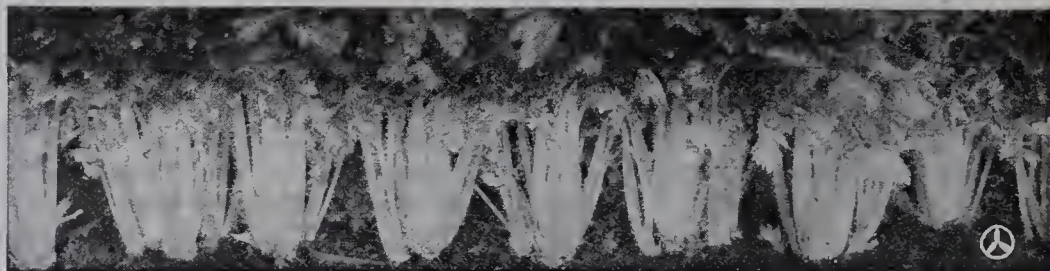


Golden Self-Blanching

3,000 to  
5,000 Plants  
from 1  
ounce of  
seed

**CULTURE.** Sow in open ground as soon as the soil can be perfectly worked; roll or firm the lightly covering soil to retain moisture, as the seed is slow to germinate. Sowing in rows 10 to 12 inches apart is preferable to broadcasting; this means allowing cultivation to be kept up.

Transplant in July to a previously prepared bed made considerably richer than seed bed, 6 to 8 inches apart in the row. Single rows should be 4 feet apart; but twin-rows 10 inches apart (doubling returns with the same labor) should skip 6 feet.



Giant Pascal Celery

**Columbla. (110 days.)** An early maturing sort, of medium height, but very stocky and heavy; the foliage a distinct light green tinged yellow. The stalks are thick, almost round, a rich yellow tint, unsurpassed in quality. Pkt., 10 cts.;  $\frac{1}{2}$  oz., 25 cts.; oz., 40 cts.;  $\frac{1}{4}$  lb., \$1.20; lb., \$3.75.

**Easy Blanching. (110 days.)** Crisp and delicious, attractively colored. Plants set out in June are fully matured and ready for use early in September.

Pkt., 10 cts.;  $\frac{1}{2}$  oz., 25 cts.; oz., 45 cts.;  $\frac{1}{4}$  lb., \$1.50; lb., \$5.00.

**Golden Plume.** Matures very early; blanches very quickly, of finest flavor and without strings, crisp and tender.

Pkt., 10 cts.;  $\frac{1}{2}$  oz., 35 cts.; oz., 65 cts.;  $\frac{1}{4}$  lb., \$2.00.

**Golden Self-Blanching. (110 days.)** Rarely, if ever, pithy; and of a rich golden yellow color, self-blanching. Our seed is genuine French grown, of finest quality, in greatest demand among market gardeners.

Pkt., 10 cts.;  $\frac{1}{2}$  oz., 35 cts.; oz., 65 cts.;  $\frac{1}{4}$  lb., \$2.00.

**Giant Pascal. (135 days.)** For second early and mid-winter use. The stalks are large, thick, solid, crisp and of a rich nutty flavor, free from bitterness. Our seed is best French grown.

Pkt., 10 cts.;  $\frac{1}{2}$  oz., 20 cts.; oz., 35 cts.;  $\frac{1}{4}$  lb., \$1.00; lb., \$3.00.

**Giant Pascal Special Strain.**

Pkt., 15 cts.;  $\frac{1}{2}$  oz., 40 cts.; oz., 75 cts.;  $\frac{1}{4}$  lb., \$2.25.

**White Plume. (120 days.)** Its eating qualities are excellent; its white feather-like foliage a real table ornament.

Pkt., 10 cts.;  $\frac{1}{2}$  oz., 25 cts.; oz., 40 cts.;  $\frac{1}{4}$  lb., \$1.00.

**Winter Queen. (140 days.)** This is one of the finest varieties for winter use. Makes a stocky, vigorous growth, blanching readily to a beautiful creamy white. Hearts are large and solid, very crisp and tender.

Pkt., 10 cts.;  $\frac{1}{2}$  oz., 25 cts.; oz., 40 cts.;  $\frac{1}{4}$  lb., \$1.00.

**Celeriac Giant Prague. (125 days.)** The root is turnip-shaped, sweet and tender, and may be cooked like turnips or eaten like radishes; used largely for seasoning meats and soups.

Pkt., 10 cts.;  $\frac{1}{2}$  oz., 20 cts.; oz., 35 cts.;  $\frac{1}{4}$  lb., 75 cts.

## SWEET CORN

**CULTURE.** Plant in hills 3 feet apart each way, or in 4-foot rows with hills a foot apart. Cover only a half inch; and thin out to three plants to a hill.

One pound plants 150 hills; 8 to 12 pounds per acre; in drills or broadcasted for fodder, 20 to 50 pounds per acre.

### PRICE OF SWEET CORN

BY MAIL POSTPAID—anywhere in U. S. A.

★ If delivery is desired by Express or Freight, consult table of DEDUCTIONS on page 56.

All Varieties	Pkt.	$\frac{1}{2}$ lb.	1 lb.	2 lbs.	5 lbs.	10 lbs.
	.10	.20	.35	.65	1.25	2.30

10 pounds or more by  
EXPRESS or  
FREIGHT  
—Collect

@ .18 per lb.

### EXTRA EARLY VARIETIES

**Golden Sunshine. (50 days.)** Blue skies and sunshine have combined their divinely guided chemistry to produce the nectar-like sweetness of this delicious golden corn. The ears are compact, about same size as Golden Bantam, but more refined in appearance, having from 10 to 12 rows of grains instead of 8 as Golden Bantam. It is a very rapid grower, and the earliest of the golden group.





**EXTRA EARLY VARIETIES—Concld.**

**Golden Bantam.** (60 days.) Whatever the reason, you all know it for a fact that this is the most popular sweet corn ever used. "Golden Bantam" is a household word. Matures with the earliest and by making a planting every two weeks, may be had from early summer until frost. Kernels are a rich golden yellow, tender, with a flavor exceptionally rich and pleasing. Ears are eight rowed, 6 to 7 inches long, just the right size for serving on the cob.

**Barden's Wonder Bantam.** (60 days.) This improved type exemplifies Golden Bantam at its best—early, richly colored, plump, juicy and distinctively flavored; but going further towards perfection from the Marketer's and Canner's standpoint, Barden's Wonder produces higher up on taller stalks (5 to 6 feet); ears much longer (8 to 10 inches long), thus greatly increasing the tonnage per acre and consequent profit, at no sacrifice of earliness or Bantam quality.

**Extra Early Adams.** (52 days.) Not a sweet corn, but is so hardy that a planting may be made before it is safe to plant the sweet varieties. Roasting ears may be had extremely early and are of good quality.

**Howling Mob.** (65 days.) This is a very popular variety. It is the largest eared of all the early sorts and usually produces two ears to the stalk. Ears from 7 to 9 inches long, well protected with husk, kernels large and pure white. A fine variety for market.

**Kendel's Early Giant.** (65 days.) Early, yet the ears grow to a remarkable size, measuring 8 to 10 inches in length, with usually twelve rows to the ear. Kernels are pure white and of splendid eating qualities. This variety is a prime favorite with the market gardener and is an excellent sort for the home garden.

**Mammoth White Cory.** (65 days.) Large ears with twelve rows of perfectly formed kernels. The grains are large, pure white and of excellent quality. For an early pure white sugar corn this old favorite is unsurpassed by any.

**Whipple's Early White.** Of the Evergreen type, but ready for use much earlier. Comes only about a week later than the small extra-early sorts but is much larger. Ears 8 to 9 inches long, 16 to 18 rows of pearly white and very sweet grains. One of the best for market or home-gardens.

**Whipple's Early Yellow.** This new variety is double the size of Golden Bantam, only a few days later, and is of fine quality. The ear is 7 to 8 inches long and has 12 to 16 rows of large kernels.

**MEDIUM EARLY SWEET CORN**

**Bantam Evergreen (Golden Evergreen)** (70 days.) Bantam Evergreen is the result of a cross between Golden Bantam and Stowell's Evergreen. It has inherited all the good qualities of both parents. It is as sweet as Golden Bantam, the same beautiful color, but in addition has an ear nearly as large as Stowell's. The kernels are deep grained, plump, a beautiful cream color at the eating stage.

**Country Gentleman.** (70 days.) This is sometimes known as "Shoe-peg," from the small peg-like kernels irregularly placed on the cob. Medium sized ear, with small cob, giving great depth to the kernels. The quality of this variety is fine and is preferred by some to all others.

**Early Evergreen.** (70 days.) This variety is about ten days earlier with nearly as large an ear as the Stowell's and equal to it in every other respect.

**LATE SWEET CORN VARIETIES**

**Black Mexican.** (75 days.) One of the most sugary. The grains when first perfected are pure white, and at their best. They then become dark, though still retaining their sweetness.

**Stowell's Evergreen.** (80 days.) The old popular variety. Hardy and productive, tender and sugary, remaining a long time in a condition suitable for eating. A good sort to plant for fodder, as it makes a rank growth of heavy forage.

**POPCORN**

Sow in rows 3 feet apart soon as beans can be planted, using more than one row, to insure polinization, covering 2 to 3 inches deep with fine soil. Thin the plants to stand 10 or 12 inches apart in the row. The ears should be thoroughly dry before attempting to pop.

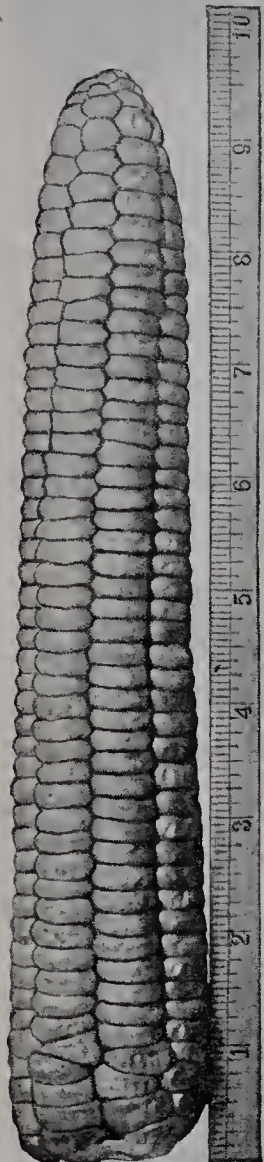
**Australian Hulless.** Various known as "Tom Thumb" or "Bumble Bee" popcorn, distinguished by an absence of hull or shell when popped. Dwarf growing, but a heavy yielder of short, chunky ears. The kernels are pearly white, unusually long and slim, of splendid popping quality and appealing flavor.

**Queens Golden.** Stalk 5 to 6 feet; two or three large ears each. Kernels rich yellow but pop out pure white over an inch in diameter.

**White Rice.** Three or four short ears, kernels long and pointed resembling rice in shape as well as its pearly white color. A splendid popper.

**MAIL PRICE:** Pkt., 10 cts.; 1/2 lb., 20 cts.; lb., 35 cts.; 5 lbs., \$1.25; 10 lbs., \$2.00. By express or freight, (Not prepaid), 10 lbs. or more at 15 cts. per lb.

Grow your own popcorn this summer—for next winter's enjoyment



**Barden's Wonder Bantam.** Showing great length of ears



**Country Gentleman**

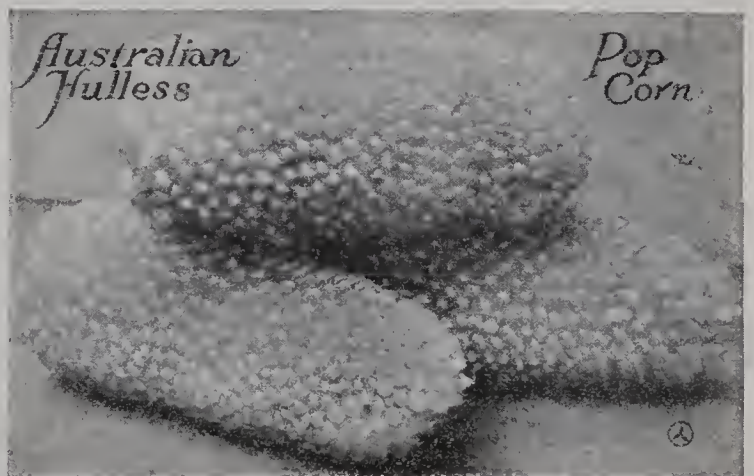
**SWEET CORN FOR FODDER**

There is nothing better for green-feed or curing for forage than Sweet Corn.

Cattle highly relish it and keep in fine condition when fed upon it. Dairy cows which receive a regular ration of corn-fodder give an abundance of milk.

Also excellent for soiling. Sow thickly in drills, or broadcast at the rate of 2 bu. per acre.

5 lbs., 85 cts.; 10 lbs., \$1.50—by mail postpaid. 10 lbs. or more by freight or express, (Not prepaid), at 10 cts. per lb.; 100 lbs. at 8 cts. per lb.





# CUCUMBERS for Salads and Pickles

Cucumbers succeed best in rich loamy soil. As soon as the weather becomes warm and settled, plant in hills 4 to 6 feet apart each way, with 10 to 12 seeds in a hill; cover one-half inch deep. Air slaked lime or "Slug Shot" sprinkled on the plants every few days as soon as they are up will protect them from the striped beetle. When all danger from insects is past, thin out plants leaving 3 or 4 of the strongest to each hill. The fruit should be picked when large enough, otherwise it destroys their productiveness. One ounce to 50 hills. Two to 3 lbs. per acre.

## PRICES ON CUCUMBERS

All varieties except noted,—Pkt. 10c; 1 oz., 15c; 1/4 lb., 35c; 1 lb., \$1.00.

**Arlington White Spine.** (55 days.) Much improved by careful selection and much superior to the old sort. It is a rich green in color and is very productive. One of the best varieties for forcing, equally good for outdoor planting. Often sown mixed with Long Green for pickles.

**Cool and Crisp.** (65 days.) Fruits are straight, long, slim and even, a healthy dark green. Very productive and by reason of its uniform shape, makes one of the best pickling sorts, also excellent for slicing.

**Davis Perfect.** (50 days.) A first-class variety for forcing under glass; also for outdoor culture, and shipping. The color is a dark glossy green, long, slim in shape. It is tender and of exceptionally good flavor.

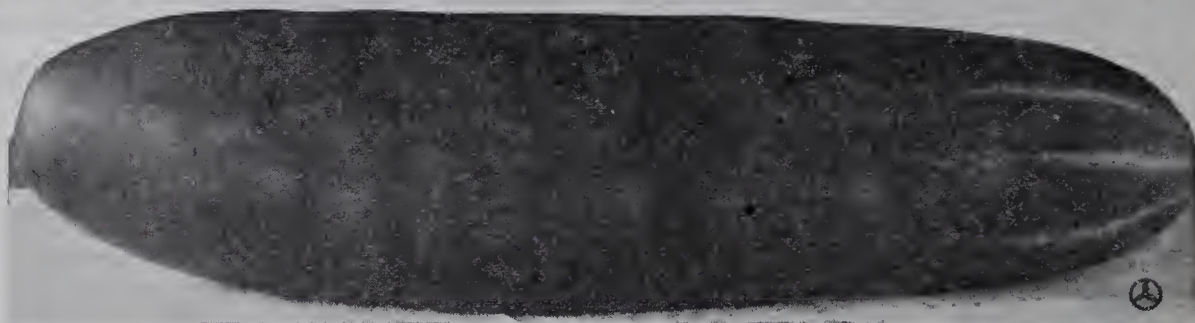
**Early Fortune.** (52 days.) For a good all-around cucumber this distinctive variety is the finest yet introduced. The rich dark green fruits when matured at the slicing stage average 7 1/2 to 8 inches in length and retain their color remarkably long. The flesh is firm, with a small seed cavity, making it a good shipping and market as well as pickling sort, producing an enormous quantity. The vine growth is very vigorous, and the large leaves, very resistant to disease.

**Early Cluster.** (50 days.) Vines vigorous, producing the crop near the roots and in clusters. Fruits short, early and of good shape for pickling. Very prolific.

**Everbearing.** (65 days.) The young fruit is symmetrical, deep in color and crisp. It is of medium size and makes a fine pickle.

**Improved Chicago Pickling.** (68 days.) Very popular with the market gardeners. Fruit is of medium length, pointed at each end with large and prominent spines, color deep green; extremely prolific.

**Improved Long Green.** (65 days.) Slicing and pickling. Of excellent quality, dark green, firm and crisp. Pkt., 10 cts.; oz., 15 cts.; 1/4 lb., 45 cts.; lb., \$1.25.



The New Longfellow

**Lemon Cucumber.** (55 days.) Shaped and colored like a lemon, with fine bitter-free flavor. May be eaten green, but is best just as it is turning yellow. Makes excellent pickles, but excels for slicing and salads. Pkt., 10 cts.; oz., 15 cts.; 1/4 lb., 45 cts.; lb., \$1.25.

**Monarch** (or **Heinz' Pickle**). (55 days.) Very prolific and one of the most popular kinds for pickles. The young fruit is short, straight, square ended and deep green in color.

**The New Longfellow.** A short description for a long cuke. The fruit averages 12 to 14 inches in straight length by about 2 1/2 inches diameter, and is borne early and in real abundance despite its great length. One of the very few cucumbers which, when grown outdoors, resembles the hot-house type; holding its dark green color until the last, and being in all other respects equally desirable. Pkt., 10 cts.; oz., 20 cts.; 1/4 lb., 60 cts.; lb., \$1.75.

**West India Gherkin.** Grown exclusively for pickles, to be picked when young and tender. Oval 2 to 3 inches long, and thickly studded with heavy spines. Pkt., 10 cts.; oz., 25 cts.

## HERBS

*Herbs in general delight in rich mellow soil. For early use sow in hot-beds in March, transplanting to the open ground when weather is suitable. May also be sown in the open ground in May in rows 12 inches apart. Cover lightly and when large enough thin out to 8 to 10 inches apart in the row. They should be cut on a dry day just before they come into full bloom and hung where they may dry quickly.*



Dill



Sage

**Dill.** (*Anethum graveolus*.) An annual cultivated for its seeds which have an aromatic odor and warm pungent taste. They are used as a condiment, also in making dill pickles. Pkt., 10 cts.; oz., 15 cts.; 1/4 lb., 45 cts.

**Sage.** (*Salvia officinalis*.) The leaves and tender tops are used in seasoning dressing and sauces. A medicinal tea is also made from the dried leaves. Perennial. Pkt., 10 cts.; oz., 30 cts.

**Sweet Marjoram.** (*Origanum marjorana*.) Used as a relish in soups, broths and dressings. Perennial. Pkt., 10 cts.; oz., 35 cts.



Davis Perfect Cucumber



## CRESS

**Pepper Grass—Extra Curled.** Extensively used as a small salad with lettuce. The leaves while young have a warm pungent taste. Sow rather thick in shallow drills, and at short intervals during the season. Pkt., 10 cts.; oz., 15 cts.;  $\frac{1}{4}$  lb., 40 cts.

## DANDELION

**CULTURE.** (55 days.) Sow early in spring in drills 18 inches apart; thin out and cultivate; they will be fit for cutting the next spring. For roots, sow in September, and cultivate well; they will be fit to dig next October. Our seed is from carefully selected thick-leaved stocks. Pkt., 15 cts.,  $\frac{1}{2}$  oz., 40 cts.; oz., 75 cts.

## EGG PLANT

**CULTURE.** Sow in hot bed early in spring; transplant  $2\frac{1}{2}$  feet apart each way after weather becomes settled and warm. If no hot bed is at hand, plants may be started in pots or boxes. The potato beetle is very fond of the plants. Paris green applied same as to potatoes will keep them in check. One ounce to 1,000 plants.

**PRICE:** Pkt., 10 cts.;  $\frac{1}{2}$  oz., 25 cts.; oz., 40 cts.;  $\frac{1}{4}$  lb., \$1.25.

**Black Beauty.** (140 days.) The fruits are broad and thick, of attractive form and finest flavor; rich purplish black, entirely free from spines or thorns.

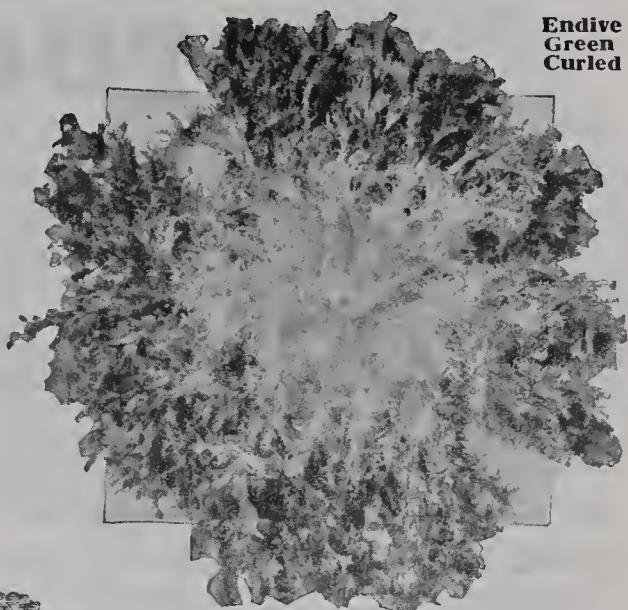
**Improved Large Purple.** (125 days.) Fruit remarkably large, often measuring 12 inches in depth and 9 inches in diameter, weighing 5 to 6 pounds.



Improved  
Large  
Purple  
Egg Plant



Dwarf Green Curled Kale



Endive  
Green  
Curled

## ENDIVE A FALL AND WINTER SALAD

**CULTURE.** For early use sow in April; for late or main crop, in June or July, in drills 14 inches apart; when 2 or 3 inches high thin to 1 foot apart in the drills. When fully grown should be blanched.

**PRICE:** Pkt., 10 cts.; oz., 15 cts.;  $\frac{1}{4}$  lb., 45 cts.

**Large Green Curled.** (40 days.) A broad leaved variety.

**White Curled.** (35 days.) Pale green, mid-rib yellow.

**Broad Leaved Batavian.** (Esca-rolle.) (45 days.) Good as a salad or for cooking like Kale or Mustard.

## KALE

**CULTURE.** Kale is one of the hardiest of "Greens" belonging to the Cabbage family. Sow either in rows or broadcast; in early spring, for summer and fall use; August or September for spring use. One or 2 pounds to an acre. One oz. of seed should produce about 3,000 plants.

**Dwarf Green Curled.** (55 days.) This is the most popular variety, dwarf and very hardy, with splendidly curled leaves, tinged slightly with yellow. Pkt., 10 cts.; oz., 15 cts.;  $\frac{1}{4}$  lb., 35 cts.; lb., \$1.00.

## KOHL RABI

A turnip-rooted cabbage, the edible part being the bulb which grows on a stalk a few inches above the ground. Use before bulbs get to be more than 2 inches thick, as all varieties are tough and stringy when overgrown. It is well to remove the thick outer skin before boiling. They may be served just like turnips. **CULTURE.** The seed should be sown in the spring  $\frac{1}{4}$ -inch deep in drills 2 feet apart. When the plants are a few inches high, thin to 8 inches apart. Two pounds of seed for one acre.

**PRICE:** Pkt., 10 cts.;  $\frac{1}{2}$  oz., 15 cts.; oz., 25 cts.;  $\frac{1}{4}$  lb., 75 cts.

**Early White Vlnna.** (50 days.) Dwarf, small early; bulb handsome, firm, glossy white; the best variety for the table.

**Purple Vlnna.** (70 days.) A fine purple type much liked for later use.

## LEEK

**American Flag.** (70 days.) Closely allied to the Onion, it is used in soups, stews, or boiled whole and creamed; its mildness and distinctive flavor making it very popular. The entire lower portion or neck, of the plant is used.

Sow early in the spring in drills  $\frac{1}{4}$  inch deep and 1 foot apart. When 6 or 8 ins. high transplant as deep as possible, that the neck may be blanched. One ounce to 150 feet drilled.

Pkt., 10 cts.; oz., 25 cts.;  $\frac{1}{4}$  lb., 75 cts.





# LETTUCE

**CULTURE.** Lettuce seed should be covered very shallow to secure germination, especially the black seeded if sown under glass or in the house. For early Spring use sow in September and protect through the winter in cold frames the same as cabbages, or sow in hot beds in March and transplant to open ground as soon as it can be worked. For late supplies sow in the open ground as soon as the season will permit, in rows 1 foot apart; thin out plants 1 foot apart in rows. If sown every 2 or 3 weeks to the middle of August, it may be had in perfection the entire season. One ounce will sow 125 feet of drill and produce 3,000 plants.

## PRICE—All Varieties, Except as Noted:

Pkt. 10c; oz. 15c;  $\frac{1}{4}$  lb. 45c; 1 lb. \$1.25.

**Big Boston.** (45 days.) Of the head types it is easily the leader, giving equally good results under glass or in the open. Leaves are light green and very tender. Our strain of this variety is unsurpassed.

**Black Seeded Simpson.** (40 days.) The leaves are thin, tender, and of a light green color; very early.

**California Cream Butter.** (42 days.) A very popular variety of head lettuce. Forms a large head of a rich buttery flavor. Leaves are thick, the outer ones green, slightly tinged with brown. An easy sort to grow and ship.

**Creamy Heart.** (45 days.) (Illustration on Color page G.) Developed from a sport of California Cream Butter, a large firm head without any brown spots or edges. The outer leaves are dark glossy green, the heart blanching to a beautiful creamy yellow. Extremely popular in the New England states as a late spring and early summer crop.

Pkt., 10 cts.; oz., 15 cts.;  $\frac{1}{4}$  lb., 50 cts.; lb., \$1.50.

**Denver Market.** (45 days.) An early lettuce for forcing or open ground culture. The leaves are beautifully curled and crimped. Crisp, tender and of excellent flavor.

**Early Curled Simpson.** A compact mass of yellowish-green leaves. Earlier than head lettuces.

**Early Prize Head.** (50 days.) Bright green, tinged with brownish red, of superb flavor, tender and hardy.

**Grand Rapids.** (38 days.) As a forcing variety for winter and early spring use this stands at the head of the list.

**Improved Hanson.** (45 days.) Heads large, fine form, deliciously sweet, tender and crisp, color green outside and white within. Intermediate between the loose-leaved and heading varieties (black seeds).



Big Boston



May King

**May King.** (42 days.) Grown outdoors it is extremely early, maturing handsome light green heads of good size, unsurpassed in quality, and solid enough to make it a good shipper to distant markets. For forcing under glass it is most desirable. A first class all purpose variety.

**New York.** ("Wonderful," "Iceberg," "Los Angeles.") (55 days.) A remarkable head lettuce famous from coast to coast. In the East called New York, in the West, Los Angeles, both sections agreeing on Wonderful. Immense round heads about 15 inches across, weighing 2 to 3 pounds, crisp and solid as a cabbage. The broad outer leaves are dark green and crumpled, the firm heart a creamy white, tender and delicious. Deep rooted and drought resistant, sure and reliable, slow to seed.

Pkt., 10 cts.;  $\frac{1}{2}$  oz. 15 cts.; oz., 25 cts.;  $\frac{1}{4}$  lb., 60 cts.; lb., \$1.75.

**Wayahead.** (42 days.) One of the very earliest and surest to head, either in cold frame or open ground; of large size, tightly folded, the interior blanching to a rich butter yellow. Quality is extra fine throughout the season.

**White Self-Closing Cos.** (55 days.) Of all celery or Cos lettuce, this is the leader. Beautiful light colored outer leaves, centers blanching to a pure white, very tender and of delicious flavor.

**New Chicken Lettuce.** Here is a genuine Lettuce which will yield as much or more chicken or rabbit feed as any "greens" plant. When once cut it starts to grow again. The leaves can be pulled off each stem like a kale. Chicken Lettuce does not make a head, but sends up a stout stalk three or four feet high, just loaded with leaves. Pkt., 10 cts.; oz., 15 cts.;  $\frac{1}{4}$  lb., 35 cts.; lb., \$1.00.

Improved Hanson



New York or Wonderful

## Good Things to Eat from Storrs & Harrison's SUPERIOR VEGETABLE SEEDS

(As Illustrated on Color Page "G" of This Book)

Unrivalled Wax Beans, 1 pkt.	Regular price.....	10c
Detroit Dark Red Beets, 1 pkt.	Regular price.....	10c
Creamy Heart Lettuce, 1 pkt.	Regular price.....	10c
Hailstone Radishes, 1 pkt.	Regular price.....	10c

**SPECIAL** 4 Packets,  
1 of each for

**25c** Postpaid

Lettuce is at its delightful best for salads when dewy fresh from your home garden



# MUSKMELONS *for All Latitudes*

**CULTURE.** Melons require rich soil. Sow ten to fifteen seeds to each hill, which should be six feet apart each way. When well started thin out to three or four strongest plants. One ounce will sow or plant fifty hills, two or three pounds to the acre.

**Banana. (85 days.)** Make a long banana-like growth, very fragrant and of delicious flavor. Excellent for the home garden.

**Bender's Surprise.** An oval, heavily netted melon averaging ten pounds of delicious flavor and sweetness. The deep orange flesh is very thick, the rind very firm, which helps hold them in good condition a week after picking.

**Early Hackensack. (60 days.)** This is an extra early, large and productive variety. The fruits are deeply netted, flesh light green; of most excellent quality. Recommended for sections with a short season.

**Emerald Gem. (80 days.)** Very popular with both home and market gardeners; dark emerald green, with lighter stripes. Flesh very thick, dark salmon.

**Fordhook. (70 days.)** The thick flesh is very firm, salmon, very highly flavored; seed cavity small; early and continuous; heavily ribbed, medium in size, weighing about two pounds.



**Hearts of Gold**

**PRICE:** Pkt., 10 cts.; oz., 15 cts.; 1/4 lb., 35 cts.; lb., \$1.00.

**Honey Rock. (80 days.)** An entirely distinct new variety; extremely prolific, large in size, of attractive appearance (round, not ribbed, heavily gray-netted over golden yellow), so tough it handles and ships perfectly; and most important of all, its deep, melting, orange-colored flesh with tantalizingly sweet aroma, are irresistible inducements to take, eat and enjoy one of the best flavored melons ever produced. A great market seller — because so keenly appreciated at home.

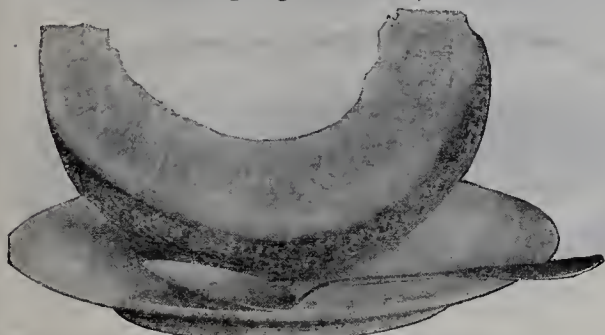
**Lake Champlain. (57 days.)** A new variety which has proved out supreme in numerous widely separated tests for hardness, earliness, productiveness and quality. The melon is medium sized, intricately netted, moderately ribbed; the flesh is deep, very sweet and melting, of a beautiful golden yellow color. The plants are very vigorous and bushy, ripening perfect fruits even under adverse conditions, far in advance of all competing varieties.

**Nicholson's New Honey Ball. (90 days.)** "Sweetest of the Sweet." The sugar sweet flesh of Honeydew encased within the thin, firm, perfectly round rind of Cannonball. Of medium size, hardy, prolific and long keeping, this combination of two fancy types is of exceptional quality when ripened on the vine, and commercial value.

**Osage. (Selected.) (75 days.)** Of uniform quality, sweet and delicious. The skin is thin, dark green and slightly netted; the flesh deep salmon, of spicy flavor. A good keeper and largely planted.

**Rocky Ford. (70 days.)** Flesh greenish white in color, very juicy and rich and good clear to the rind. Medium, round, oval; an excellent keeper.

**Tip Top. (80 days.)** Very productive, medium size, nearly round, slightly ribbed and fairly well covered with shallow netting; flesh deep yellow.



**Lake Champlain**

**Hale's Best. (68 days.)** The earliest maturing of all large melons. The melons are oval, inclined to somewhat elongated shape. Its popularity is due not only to earliness, but particularly to the tasty flavor and luscious sweetness of its beautiful salmon flesh.

**Hearts of Gold. (70 days.)** Good to look at with its fine netting, fairly distinct ribs, uniform just-right table size, and satisfying abundance. The flesh is a luscious pink and gold, with little waste in seed cavities; flavor unexcelled; shipping profitably.



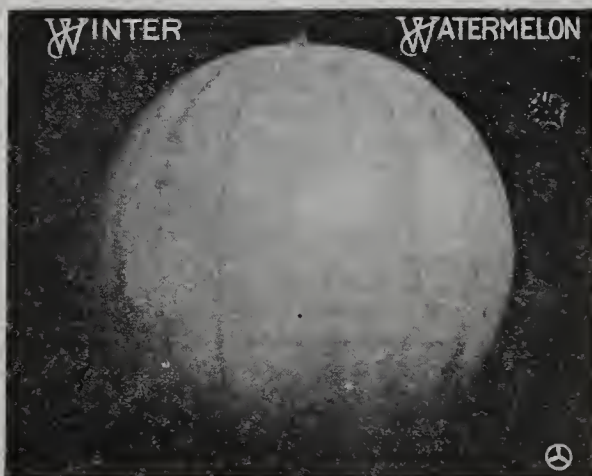
**The Luscious Honeydew**

**Honeydew. (120 days.)** Much in demand at fancy prices in the markets. They are nearly round in shape, with a hard, firm white smooth rind that enables them to be safely shipped any distance. The solid fruits may be laid away for deliberate ripening making them available for use even late into fall when other melons are gone. The flavor is unlike that of any other melon and is sweet as honey; flesh firm, light green, with few seeds. Requires rich warm soil and a fairly long growing season.

## A Novelty for Your Garden

### The Winter Watermelon

A home-grown melon for your Thanksgiving dinner! Genuine mid-season form and luscious flavor carried beyond the melancholy days, when frost has bit the pumpkin and corn is in the shock. This is not a "Citron," nor a freak, but a very prolific long-keeping true watermelon type of medium size, round shape, yellowish rind with flesh bright red, crystalline, sweet as honey. Take fruits from field before frost, and store in cool cellar.



Pkt., 10 cts.; oz., 15 cts.; 1/4 lb., 35 cts.; lb., \$1.00.

Home-grown melons, fresh from the vine and wholly ripe—there's a treat for you



# WATERMELONS

**CULTURE.** The best soil for growing these tempting, luscious products of the field, is sand; but well drained loam if sun-warmed will produce excellent crops. Plant in hills 8 feet apart each way, using a shovelful of well rotted manure in each hill, thin to 6 plants to hill, after all danger of bugs is past, further thin to 4 plants. Do not plant melon seeds until the ground is thoroughly warmed. Use "Slug Shot" for bugs. One ounce plants 20 to 40 hills or 4 pounds for 1 acre.

**PRICES:** All varieties: Pkt., 10 cts.; oz. 15 cts. 1/4-lb., 35 cts.; lb., \$1.00

**Cole's Early.** (65 days.) A choice melon for the home garden. The flesh is bright red, crisp, sweet and of fine flavor, of medium size, but solid, with thin rind.

**Fordhook Early.** (60 days.) An extra early melon of fine flavor and large size. Uniform medium green. Flesh red and sweet.

**Halbert Honey.** (75 days.) The melons are 18 to 20 inches long, full and round at both ends; skin dark glossy green and flesh a beautiful crimson; excellent for nearby market as well as for home use.

**Harris' Earliest.** (60 days.) The best variety for northern latitudes, largest and sweetest of all the early melons.

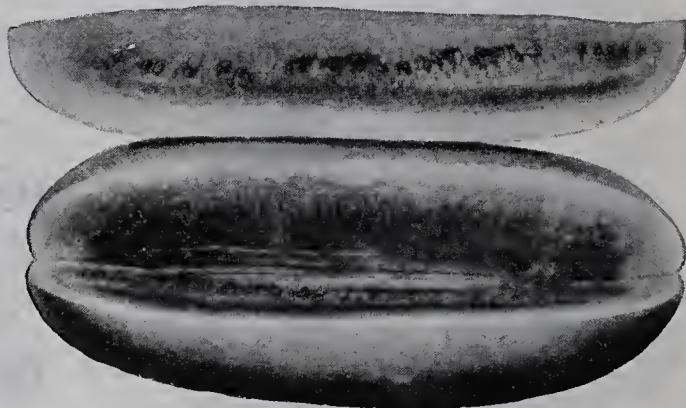
Oval in shape, green striped with gray, attaining a weight of 20 to 30 pounds. Firm hard rind, shipping well; flesh bright red and tender, very sweet and delicious.

**Kleckley's Sweet.** (70 days.) The skin is a rich, dark green, the flesh bright scarlet, ripening close to the rind.

**The Watson.** (90 days.) One of the very best melons introduced to date. Perfect in shape, rind is dark, glossy green, very tough and thin, the flesh dark red, very crisp, no strings and most delicious. Popular, not alone for its luscious flavor and captivating inner beauty, but also for the ease in carrying, stacking and handling due to its uniform elongated shape.

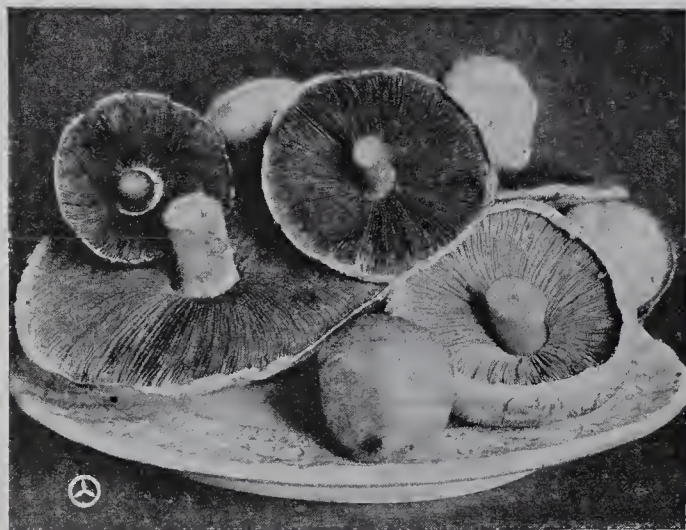


Harris' Earliest



The Watson

## MUSHROOM SPAWN



Mushrooms are considered a great delicacy by everyone and are always in much demand at fancy prices. Many are devoting their spare time to mushroom culture and are getting big returns for their labor. Nearly everyone has some unused place that might be devoted to

mushroom growing. Contrary to general belief, it is not necessary to have especially prepared equipment for this purpose, but advantage may be taken of locations already existent. They can be grown in dark rooms, caves, cellars or under green house benches, where the temperature can be maintained at from 50 to 60 degrees.

We furnish complete cultural directions with each order. One brick is required for 10 square feet.

### Lambert's Pure Culture Mushroom Spawn.

A new departure in cultivation. This method insures the reproduction of a certain type, free from all inferior sorts, that will largely increase the yield and produce the very best mushrooms.

**By Mail postpaid:** 1 brick, 55 cts.; 2 bricks, \$1.00; 5 bricks, \$2.00; 10 bricks, \$3.50.

**By Express (not prepaid):** 10 bricks for \$2.75.

## HELPFUL HINTS TO VEGETABLE GARDENERS

Order your seeds early so that you can take advantage of the first signs of spring.

Plant small, quick growers like lettuce, radishes, etc., between the rows of larger, slower maturing sorts. In the case of early sorts such as spinach, start tomatoes, corn, etc., between the rows to occupy the ground after the former is harvested.

Never cultivate or handle any kind of beans when the vines are wet. This is the easiest way to spread a serious disease and ruin the crop.

Success against weeds means keeping them out, not taking them out after they get in.

To insure a succession of such plants as peas, beans, lettuce, radishes, beets, kohlrabi, etc., sow a fresh row every week or so.

## MUSTARD

For early salads sow in a medium hot bed in March, and for general crop at intervals through the spring, in rows 6 to 8 inches apart, and rather thickly in the rows. Cut it when 4 inches high.

**Fordhook Fancy Mustard.** (50 Days.) Splendid flavor, can be cooked at any time of the year just like spinach and by many is considered far superior.

Pkt., 10 cts.; oz., 15 cts.; 1/4 lb., 35 cts.; lb., \$1.00.



Fordhook  
Fancy Mustard

For happiness, and good appetite—dig a garden, and raise your own vegetables



# ONION SEED



Ohio Yellow Globe Onions crated for an eager market

**CULTURE.** A strong, deep, rich and loamy soil is most suitable, or even a black sandy loam. Muck beds well drained to the depth of 2 feet give large yields. The ground should be heavily dressed with well rotted manure, and plowed a moderate depth taking a narrow furrow in order to more thoroughly mix the manure with the soil; if possible the plowing should be done in the fall. As early in the spring as the ground is in working order harrow it thoroughly and make as fine and level as possible; sow thinly in drills one-fourth inch deep and 14 inches apart. Keep the surface of the ground open and free from weeds but do not ridge up to the growing bulbs. One ounce will sow 100 feet of drill; 4 to 5 pounds per acre for large onions, 50 to 60 pounds for sets.

**Ohio Yellow Globe.** (120 days.) One of the finest yellow commercial onions grown; of good size, true globe shape, absolutely free from any neck, a solid bulb and fine keeper. Pkt., 10 cts.; oz., 15 cts.;  $\frac{1}{4}$  lb., 45 cts.; lb., \$1.50.

**Prize Taker.** (100 days.) A very large onion, hardy, productive and a fair keeper. Outside skin is rich yellow, flesh white, sweet and tender. They bottom well, are free from stiff necks. Pkt., 10 cts.; oz., 20 cts.;  $\frac{1}{4}$  lb., 50 cts.; lb., \$1.75.

**Southport Red Globe.** (110 days.) An attractive globe shaped variety; matures quite early, grows large and is very productive; skin deep red; flesh fine grained. Pkt., 10 cts.; oz., 15 cts.;  $\frac{1}{4}$  lb., 45 cts.; lb., \$1.50.

**Southport Yellow Globe.** (110 days.) A bright yellow globe mild flavored and highly esteemed. Plants have the typical slender neck of the rigidly selected Southport strain which insures early and dependable maturity, with good keeping quality. Pkt., 10 cts.; oz., 15 cts.;  $\frac{1}{4}$  lb., 45 cts.; lb., \$1.50.

**Southport White Globe.** (120 days.) Commands the highest market price; good shape, clear white skin. To keep the white color cure in shade. Pkt., 10 cts.; oz., 25 cts.;  $\frac{1}{4}$  lb., 75 cts.; lb., \$2.25.

**White Silverskin.** (95 days.) This is a small silvery white onion. Just the right size for pickling whole for which it is used almost entirely. Pkt., 10 cts.; oz., 25 cts.;  $\frac{1}{4}$  lb., 75 cts.; lb., \$2.25.

**Mammoth Silver King.** (80 days.) A large flat but thick, sweet, silvery white Italian variety, maturing very early. On account of its extreme mildness it is one of the best for salads and eating raw. To produce the largest onions, transplant when the young seedlings are 3 to 4 inches high.

Pkt., 10 cts.; oz., 25 cts.;  $\frac{1}{4}$  lb., 75 cts.; lb., \$2.25.

**Large Red Wethersfield.** (100 days.) A standard variety in the East, and the earliest maturing, productive red. Makes a large sized flat onion, deep purplish red in color. The flesh is a purplish white, moderately fine grained and strongly flavored. Pkt., 10 cts.; oz., 25 cts.;  $\frac{1}{4}$  lb., 45 cts.; lb., \$1.35.

## ONION SETS

Plant onion sets as soon as ground is dry enough, in rows a foot apart, with sets 2 to 3 in. apart. One pound will plant about 100 linear feet; or 300 to 500 pounds to acre. Raised from sets, onions can be used green in June, or ripened by July. Write quotations on large quantities.

**PRICES:** (Subject to market change) By mail, postpaid: Lb., 35 cts.; 5 lbs., \$1.25; 10 lbs., \$2.25.

By express, collect: 15 lbs. at 15 cts.; 20 lbs. and over at 12 $\frac{1}{2}$  cts. Quotations on large quantities.

**Ebenezer.** Very mild; white flesh, yellow skin.

**White.** Silver skin.

**Yellow Danvers.**

## OKRA

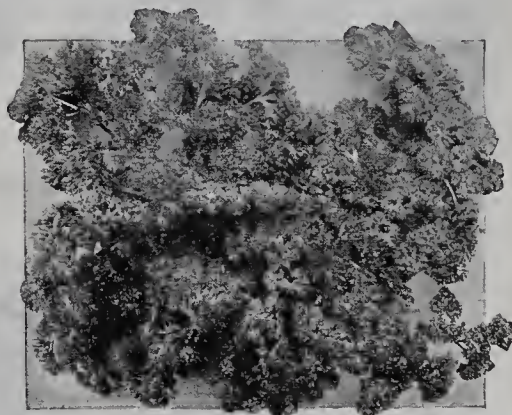
**CULTURE.** Seed should be soaked before planting to insure quick and even germination; sow in rows 2 to 3 feet apart and thin to 12 to 18 inches in the row. Gather pods when young. It is delicious in soups.

**White Velvet.** (50 days.) A very popular variety producing long smooth white pods of excellent flavor, very prolific. Pkt., 10 cts.; oz., 15 cts.;  $\frac{1}{4}$  lb., 25 cts.; lb., 75 cts.

## PARSLEY

Sow in drills 1 foot apart, in rich, mellow soil; soak the seed 12 hours before sowing, which should be done in early spring, as they are very slow to germinate. When 1 or 2 inches high thin out the plants to 6 inches apart in the rows. Used as a garnish for table, also in soups. Late in the fall, a few plants may be dug up and potted; set in a sunny window, will provide fresh leaves all winter. Pkt., 10 cts.; oz., 15 cts.;  $\frac{1}{4}$  lb., 35 cts.; lb., \$1.00.

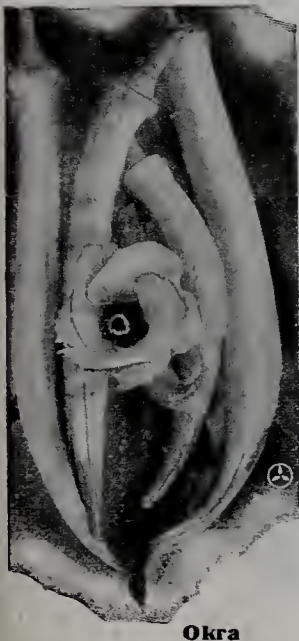
**Hamburg (or Rooted).** (100 days.) Grown for its piquantly edible roots. These are shaped and in size similar to Parsnips, with white flesh, the flavor very much like Celeriac. Useful as flavoring for soups and stews, and often cooked like parsnips. May be dug late and stored in dry sand for winter use.



Champion Moss Curled Parsley

**Champion Moss Curled.** (65 days.) A compact growing finely cut and beautifully curled variety, the favorite garnish.

**FERTILIZERS on Page 95**  
**SPRAY MATERIALS—Page 96**



Okra

Wide-a-wake Onion Growers have learned the advantage of using S. & H. Ohio Yellow Globe Seed.





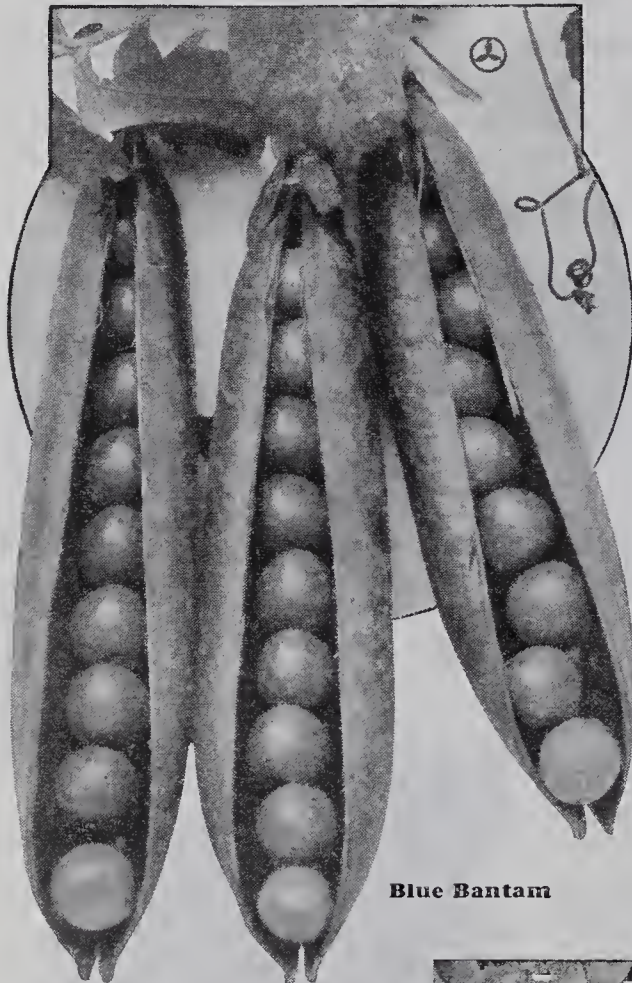
Hollow Crown Parsnips

## PARSNIPS

Parsnips sliced and fried are a nutritious and acceptable side dish at many a winter dinner.

**CULTURE.** One ounce will sow 200 feet of drill; 5 pounds for one acre. Sow as early in the spring as the weather will permit, in drills 15 inches apart, covering half an inch deep. When well up thin out to 5 or 6 inches apart in the rows. Unlike carrots they are improved by frost, and it is usual to take up in fall only a certain quantity for winter use, leaving the rest in the ground until spring, to be dug as required. If cellar-stored, pack in boxes filled with slightly moist soil.

**Hollow Crown or Long Smooth. (85 days.)** Roots oblong, ending somewhat abruptly with a tap root; best variety for general use.  
Pkt., 10 cts.; oz., 15 cts.;  $\frac{1}{4}$  lb., 35 cts.; lb., 90 cts.



Blue Bantam

**INOCULATE ALL  
PEAS & BEANS**

The Original Legume Inoculator  
**NITRAGIN**  
TRADE MARK REG. DEC. 2, 1922 NO. 26112  
Restores and Maintains Soil Fertility

**GARDEN  
SIZE 25c**



Extra Early Alaska

## PEANUTS

Peanuts are an American institution, their delectable aroma and consumption an inevitable feature at all American outdoor sports. It may be a matter of surprise to most northern gardeners that it is not only practical but profitable to raise your own, as well as help supply your local market. The prolific tops are valuable as forage; the nuts for fattening hogs.

**CULTURE.** Peanuts require light rich soil well limed. Plant in the spring as soon as the ground has become warm, in rows 30 to 36 inches apart, placing the seed 6 to 10 inches apart in the row. It is not necessary to remove the hull when planting. Keep well hoed. When matured pull and hang up to dry.

**Valencia.** A very desirable and productive Spanish bush type. Mild, sweet flavored, bearing 3 or 4 peas in each hull.  
Pkt., 10 cts.;  $\frac{1}{2}$  lb., 20 cts.; lb., 35 cts.; 2 lbs., 65 cts.; 5 lbs., \$1.25—all postpaid.

## PEAS Sweet and Tender

**CULTURE.** Peas mature earliest in a light, rich soil; for general crop a moderately heavy soil is best. Commence sowing early varieties as soon as ground can be worked, continue for a succession every 2 weeks until June. Sow the early, second early and late varieties at the same time for a succession. One pound for 100 feet of drill; 110-175 pounds for an acre. The wrinkled varieties are more susceptible to cold, wet weather than the small round, hard sorts, hence should not be planted very early except in warm dry locations.

Brush can be used to advantage on all varieties, but the various dwarf growing sorts take care of themselves very well without. If brush is not available, chicken wire is the best substitute for use with the taller growing kinds.

The crop should be gathered as fast as it is fit for use. If even a few pods begin to ripen, not only will new pods cease to grow, but those partly advanced will stop growing.

### PRICES OF PEAS

**BY MAIL POSTPAID — Anywhere in U. S. A.**  
★ If delivery is desired by Express or Freight—consult table of DEDUCTIONS on page 56.

**By EXPRESS  
or FREIGHT  
—COLLECT**

See Varieties	Pkt.	$\frac{1}{2}$ lb.	1 lb.	2 lbs.	5 lbs.	10 lbs.	10 lbs. or more
All—except..	.10	.20	.35	.65	1.25	2.25	@ .18 per lb.
No. 2.....	.....	.20	.35	.60	1.15	2.10	@ .16 per lb.

### EXTRA EARLY PEAS

These varieties can often be planted early in March; and use your lightest strip of soil. **Alaska** and **First and Best** may be sown as soon as ground can be worked. Later types need heavier soil which retains moisture under the hot sun.

**Alaska. ("Earliest of All") (45 days.)** An extra early hardy pea. Pods of perfect shape, well filled with smooth peas of unrivalled quality. Seed blue. The peas are not very large, but the vines are such prodigious croppers, the aggregate bulk is more than a comparative recompense. Height,  $2\frac{1}{2}$  feet. **Price No. 2.**

Even a man enjoys shelling his own garden peas. Pop! Then shoot 'em out with the thumb





## EXTRA EARLY CROP PEAS—Continued

**American Wonder. (55 days.)** An early wrinkled pea, growing from 9 to 12 inches high, and producing well filled pods of the finest flavor.

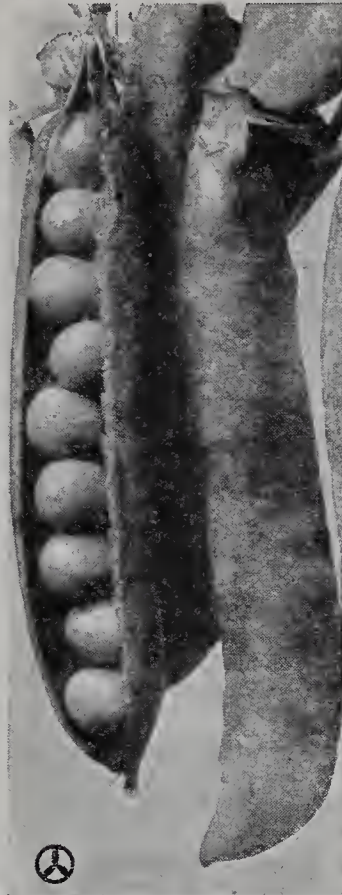
**Blue Bantam. (55 days.)** The dwarf, vigorous vines average fifteen inches in height and carry enormous crops of large deep bluish green pods. These measure 4 to 4½ inches long and are tightly packed with 8 to 10 extra large luscious peas. Considered one of the best flavored.

**Everbearing. (65 days.)** Grows about 20 inches high; pods of good length; peas very large, wrinkled and in quality unsurpassed. For continuance and profusion of bearing this variety is unexcelled.

**First and Best. (45 days.)** Pods well filled with round, smooth peas of excellent flavor. Extremely early, productive and hardy. Height, 2½ feet.  
**Price No. 2.**

**Gradus. (55 days.)** One of the earliest wrinkled peas, very hardy, and can be planted extremely early. The vine grows about 2½ feet high. Pods large and well filled.

**Hundredfold. (50 days.)** Bountiful crops of broad, 4-inch pods which hold usually 8 large, dark green peas of wonderfully rich flavor. The vines are sturdy and heat-resisting, averaging 16 inches.



Gradus Peas

**Laxtonian. (50 days.)** Dwarf and bushy—about 14 inches—very productive of 4-inch blunt pods containing 8 to 10 peas of unsurpassed flavor.

**Laxton's Progress. (46 days.)** The earliest large podded dwarf wrinkled pea, an improvement of Laxtonian and four days earlier. Pods are 4 inches long, broad and pointed, deep green in color, containing eight large deep green peas, which are of the most delicious flavor.

**Little Marvel. (53 days.)** Popular with market gardeners because of its extreme earliness and productiveness. The large dark green pods are usually borne in pairs. Very dwarf, vines growing only 15 to 18 inches high.

**Nott's Excelsior. (60 days.)** This excellent dwarf wrinkled extra early pea is robust and vigorous and produces in profusion handsome pods, closely packed with large peas of fine flavor.

**Premium Gem. (50 days.)** Grows about 15 inches high and is among the earliest dwarf, abundant green wrinkled sorts.

**Thomas Laxton. (50 days.)** One of the largest podded of the dwarf peas. Matures with the earliest and is of a delicious flavor.

## SECOND CROP OR MEDIUM EARLY PEAS

**Dwarf Telephone or Daisy. (65 days.)** A medium late pea of dwarf, stocky habit, healthy, vigorous growth, and productive, bearing large, handsome pods and peas of highest quality.

**Horsford's Market Garden. (65 days.)** A grand wrinkled sort and a prolific bearer. Pods of medium size; peas of a delicious sweet flavor. Two feet high.

**Dwarf Champion. (65 days.)** This new pea is one of the finest sorts we have ever tried. Vines make a healthy dark green growth and are well loaded with pods. The peas, which are borne crowded in medium sized pods, are of the highest quality, possessing the rich flavor of the Champion of England. The growth is very dwarf, requiring no support.

## LATE OR MAIN PEA CROP

These late kinds may as well be planted at same time as the earlier ones. The tall varieties do very well planted in double rows with the line of brush set in at same time, allowing 3 feet of space between the lines for thorough cultivation. Do not stint the seed, but scatter in the broad furrows, which should be at least 4 inches deep.

**Champion of England. (75 days.)** One of the richest and best flavored peas grown; height 3 to 4 feet, seed wrinkled, whitish green and much shriveled.

**Improved Stratagem (Pottatch). (70 days.)** One of the finest dwarf wrinkled peas. Their quality is unsurpassed, vines grow to a height of 18 or 20 inches, do not require sticking and are loaded with pods that are crowded with immense dark green peas.

**Telephone. (70 days.)** One of the finest tall wrinkled marrows yet introduced. Vine strong, producing abundantly. The pods are of large size and filled with large delicious peas. Height 3 to 4 feet.



Telephone Peas

## FIELD PEAS

**Canada Field (White Seeded).** Valuable for soiling purposes. Sow at the rate of 2 to 3 bushels per acre; also sow with oats for green feed; are now quite extensively used for this purpose.

By express or freight (not prepaid):—  
10 lbs. @ 10 cts. per lb.  
60 lbs. @ 9 cts. per lb.  
100 lbs. @ 8 cts. per lb.



Dwarf Champion



# PEPPERS

**CULTURE.** Sow in a hot bed in March and transplant to the open ground when the weather is favorable. They should be planted in warm, mellow soil, in rows 18 inches apart. They may also be sown in the open ground when the danger of frost is past and the soil is warm and the weather settled. Thorough and frequent cultivation should be kept up until frost; by this means you can have a continuous crop. 1 oz. will produce about 1500 plants; 3 oz. supplies an acre.

**PEPPER PRICES:** Unless otherwise noted,  
Pkt., 10 cts.; ½ oz., 20 cts.; oz., 35 cts.; ¼ lb., \$1.00

**California Wonder.** A new sort that deserves a trial. The fruits are blocky or square-shaped, slightly broader at stem end than at nose, without distinct lobing or indentations, and especially free from roughness at blossom end. Full grown fruits have a breadth of 4 inches and a length of 4½ inches, and it is not unusual to find specimens weighing a full pound. They present the smooth, attractive dark green color of the Pimento when young, turning to bright crimson as they ripen. It is not uncommon to find fruits showing flesh ¾ of an inch thick. In addition to this thickness of flesh, it is of the finest quality, being sweet, crisp and tender, and entirely free from pungency. The plants are slightly spreading, sturdy and productive, bearing from five to nine large fruits at a setting. Although not strictly an early variety, it will produce marketable fruits as early as the second-early sorts. For the home gardener and shipper this should prove an ideal pepper. Pkt., 10 cts.; ½ oz., 25 cts.; oz., 45 cts.; ¼ lb., \$1.50.

**Chinese Giant.** (130 days.) Largest of the peppers; chunky, very thick and meaty, 4 to 5 inches across at the base and equally as long, divided into 4 sections. Fine for stuffing and for salads.

**Early Neapolitan.** (120 days.) The earliest large pepper, the vigorous plants heavily laden with long handsome fruits. The skin and flesh are bright red; thickmeated, sweet and mild, valuable for market gardeners and pickling establishments.

**Goliath.** (120 days.) Without doubt the largest pepper ever offered. An average yield is 10 full sized peppers to a plant, packing only 20 to the usual ½-bushel market basket. It is of uniform oblong shape, with smooth, glossy skin; a market eye-catcher and sure sale. Its flavor is sweet, the meat thick, and its season very early. In planting, better give it 30 inches space for plant development. Pkt., 10 cts.; ½ oz., 25 cts.; oz., 45 cts.; ¼ lb., \$1.50.

**Harris Early Giant.** (100 days.) Earliest of all large-fruited sorts. 4 inches high and 3 inches through. The peppers are deep green, turning to brilliant red, with thick flesh, of sweet, pleasant flavor. Pkt., 10 cts.; ½ oz., 25 cts.; oz., 45 cts.; ¼ lb., \$1.50.

## Hungarian Yellow.

(120 days.) A useful, tasty semi-hot pepper of great sectional popularity; thick fleshed, 2½ by 4½ inches, the smooth and glossy skin a light pearl color at first, maturing to canary yellow. Pkt., 10 cts.; ½ oz., 30 cts.; oz., 55 cts.; ¼ lb., \$1.65.



**Ohio Crimson.** (120 days.) A vigorous, upright plant, most productive pepper on the market; the large fruits are very mild, ripen earliest of the very large fruited sorts, and average heavier as the flesh is unusually thick. Matures a deep crimson color. Pkt., 10 cts.; ½ oz., 25 cts.; oz., 45 cts.; ¼ lb., \$1.50.

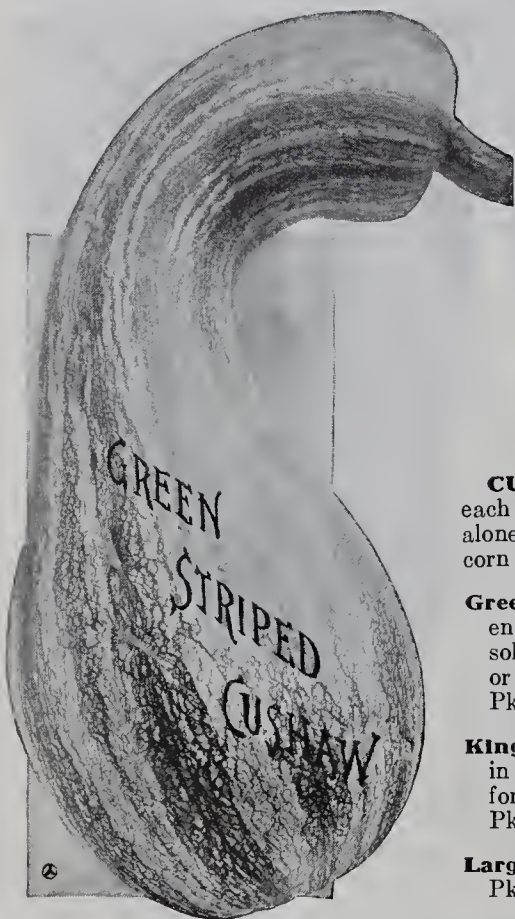
**Pimento.** (130 days.) Somewhat different in character from other peppers, and useful in a great many ways. It is thick fleshed, mild and sweet; smooth and glossily green at first, but maturing to bright red.

**Red Cayenne.** (125 days.) A long slim pod, rather pointed and when ripe of a bright red color, extremely strong and pungent. Used for pickling and pepper sauce.

**Royal King.** (125 days.) We believe it the best sweet pepper produced in many years; the plants unusually productive, returning an enormous yield to the acre. Exceptionally large fruited, thick and meaty; its walls more than twice as thick as those of other sorts; very mild—not the least pungent—perfectly sweet. The type is thoroughly fixed, producing uniform fruits both in shape and color.

**Ruby King.** (130 days.) A large and handsome variety. When ripe they are of a beautiful ruby red color, and are always remarkably mild and pleasant to taste.

**Sweet Mountain or Spanish Mammoth.** (120 days.) It is very large, smooth and handsome; when mature, a rich red. Flesh thick, sweet and mild-flavored.



# PUMPKINS for Pies and Canning

**CULTURE.** Plant in good soil when the ground has become warm, in hills 8 to 10 feet apart each way, or, as the general practice is with corn, in about every fourth hill. Three pounds per acre alone or about one pound with corn. Use "Slug Shot" for bugs. The partial shade of the sweet corn plot is an ideal place to grow pumpkins in the home garden.

**Green Striped Cushaw.** (75 days.) A long crooked neck, terminating in a round or oblong end enclosing a very small seed cavity; flesh surrounding seed cavity very thick. Neck is absolutely solid, rivalling finest sweet potatoes for baking; or sliced and fried like egg plant, when young; or as a pie sort, it has no equal. Keeps well. Pkt., 10 cts.; oz., 15 cts.; ¼ lb., 35 cts.; lb., \$1.00.

**King of Mammoths (Jumbo).** (90 days.) Largest of all the pumpkins, often reaching 24 inches in diameter, weighing 100 or more pounds. Make excellent stock feed, yet the quality is excellent for pies. When ripe, the skin is a rich orange color, flesh thick, sweet and yellow. Pkt., 10 cts.; oz., 15 cts.; ¼ lb., 45 cts.; lb., \$1.25.

**Large Yellow Field** (90 days.) A large yellow variety for field culture usually with Corn. Pkt., 10 cts.; oz., 15 cts.; ¼ lb., 30 cts.; lb., 75 cts.; 5 lbs., \$4.00—Postpaid.

Pumpkins, the golden glory of the autumn. A rich reward for a summer's gardening.



**PUMPKINS—Concluded**

**Sugar. (65 days.)** A handsome and prolific variety of small size; the skin a deep orange yellow. It is fine grained in flesh, sweet in taste and a handy 2-pie size. Pkt., 10 cts.; oz., 15 cts.;  $\frac{1}{4}$  lb., 35 cts.; lb., \$1.00.

**Roadside Market Mixture.** All types grown together. Around Hallowe'en these will sell like hot cakes on roadside stands. Pkt., 10 cts.; oz., 15 cts.;  $\frac{1}{4}$  lb., 35 cts.; lb., \$1.00.

## RADISHES So Appetizing in Spring

**CULTURE.** One ounce will sow 100 feet of drill, 10 pounds required for 1 acre. For the first crop sow as early in the spring as the ground can be worked, and every 2 weeks throughout the season for a succession. A warm, sandy loam, made rich and light by some good strong manure, will be most likely to afford them brittle and free from worms. Sow in drills 10 to 12 inches apart. The winter varieties should be sown in July and August, no use earlier.

**PRICE**

All varieties, by mail postpaid.  
Pkt., 10 cts.; oz., 15 cts.;  $\frac{1}{4}$  lb., 35 cts.; lb., 90 cts.

**Cincinnati Market. (28 days.)** A fine extra early variety with a long, smooth root and small top. The color is a bright transparent red; the flesh tender and delicious, even when full grown.

**Crimson Giant. (35 days.)** Suitable for forcing or early planting out of doors. Larger than the other round red radishes, and solid longer.

**Early Round Scarlet. (25 days.)** A small round, red turnip-shaped radish, with a small top and of very quick growth; rich color, crisp and tender.

**Early Long Scarlet. (28 days.)** Grows 6 or 7 inches long, half out of the ground; is brittle and crisp; color bright scarlet, small top.

**Early Scarlet Globe. (20 days.)** Fine for forcing and market gardening. Large roundish oval; brilliant red; flesh white, solid, crisp and mild.

**French Breakfast. (25 days.)** A splendid half-long variety of medium size, crisp and tender, scarlet with white tip. This has long been a favorite kind in very general use.

**Hailstone.** (Illustration on Color page G.) The quickest maturing white radish on record.

It is ready for the table in 15 to 25 days. The roots are perfectly round, an inch in diameter, with snowy white skin and flesh. The flesh is crisp and solid.

**Icele. (25 days.)** Attains its best quality at about 4 inches long and remains crisp and sprightly an extremely long time. It is of most excellent flavor and transparent whiteness. Equally desirable for home use and market.

**Round White Tip Scarlet. (21 days.)** A handsome early variety of medium size and excellent flavor. The best of the round varieties.

**White Strasburg. (48 days.)** Pure white, firm and brittle, and of fine quality. Withstands hot weather best of any sort. Slow to become pithy.



Large Yellow Field Pumpkin



Round White Tip Scarlet



Cincinnati Market



French Breakfast

**WINTER RADISHES**

Besides their fall excellence, these kinds may be dug late and perfectly preserved for all-winter use as desired, by storing in boxes of dry sand in the cool frost-proof cellar. A favorite usage is to pare, slice, and serve in a weak brine, or in vinegar,—like cucumbers.

**Long Black Spanish. (72 days.)** Firm, oblong, black, large size.

**Round Black Spanish. (72 days.)** Large, round or turnip shaped.

**Rose China Winter. (60 days.)** One of the best fall and winter varieties, bright rose color, flesh white and of superior quality.

**California Mammoth White. (65 days.)** Pure white. The flesh is tender and crisp and keeps well through the winter.

## SALSIFY Vegetable Oyster

Called "oyster plant" because the flavor suggests that of the oyster. To prepare, wash and scrape the roots, then cut into slices about 3 inches long; or if soup is desired, cut into very thin slices. Drop into water and cook 30 minutes. Drain, and serve in a white sauce; or add milk, and serve as a soup.

**CULTURE.** Sow early in spring, in drills 1 foot apart and 1 inch deep, thinning the young plants to 4 inches. The roots will be ready for use in October, when a supply should be taken up and stored in moist sand in a cool room. Those remaining will suffer no injury by being left in the ground until spring. One ounce to 100 feet. Ten to 12 pounds are required for one acre.

**Mammoth Sandwich Island. (95 days.)** White, tender, and of excellent quality.

Pkt., 10 cts.; oz., 20 cts.;  $\frac{1}{4}$  lb., 65 cts.; lb., \$1.75.



Salsify

A delight of spring—the first fresh crisp radishes pulled from your own garden as you need them.



# SPINACH—For Home Garden or Marketing

**CULTURE.** Select very rich, well drained soil; sow in drills 1 foot apart and 1 inch deep; or broadcast at rate of 30 pounds per acre. Make the first sowing early in spring and continue at intervals of 2 or 3 weeks, until the middle of June. Sow in August and September for early spring use, protecting with a winter covering of straw. One oz. will sow 100 feet of drill, or 10 to 12 pounds to the acre.

**Princess Juliana.** A valuable new variety. Has thick crumpled leaves. Stands better than most varieties and retains its crispness quite long after cutting. Pkt., 10 cts.; oz., 15 cts.;  $\frac{1}{4}$  lb., 25 cts.; lb., 55 cts.

**Round Thick Leaved.** (45 days.) One of the most popular with our market gardeners; leaves large, thick and fleshy; excellent for fall sowing, being very hardy. Pkt., 10 cts.; oz., 15 cts.;  $\frac{1}{4}$  lb., 25 cts.; lb., 55 cts.

**King of Denmark.** (45 days.) Leaves very thick, dark green, and curled or blistered, in low compact tufts, ready to use as soon as the earliest, yet remaining longer in good condition before running to seed. Pkt., 10 cts.; oz., 15 cts.;  $\frac{1}{4}$  lb., 25 cts.; lb., 55 cts.

**New Zealand.** (55 days.) (Tetragonia Expansa.) Strong growing summer variety. The young branches and leaves can be gathered at any time. Sow thinly in drills 15 inches apart. Pkt., 10 cts.; oz., 15 cts.;  $\frac{1}{4}$  lb., 35 cts.; lb., \$1.00.



King of Denmark Spinach

## SQUASH

Seed should not be sown in the spring until danger from frost is past and the ground warm and thoroughly settled. Keep the earth about the plants loose and clean, removing the surplus vines from time to time, allowing not more than three plants to the hill. A little tobacco dust thrown around the hills discourages borers. Bordeaux Arsenate of Lead remedies blight and striped beetles; but the big black squash bug had better be hand-picked. If the winter varieties are not planted until the latter part of June, they are ordinarily able to escape the ravages of the borer.

FOR SUMMER SQUASH, sow 1 oz. to 25 hills—4 feet apart each way;  
WINTER SQUASH, 1 oz. to 10 hills—8 to 10 feet apart each way—  
or 2 lbs. to the acre.

### Summer Varieties

**Bush Fordhook.** (55 days.) In this new, true bush type the plants can be grown much more closely together. The fruits are rather shorter and thicker than those of the running type; they are also thicker fleshed and have a smaller seed cavity; unsurpassed for baking, frying, or making pies. Any fruit not needed for summer use can be left to ripen on the plants and gathered for winter use.

**Giant Summer Crookneck.** (65 days.) Bright yellow, a profitable sort for market, keeps bearing all summer. Plant farther apart than other varieties.

**Mammoth Yellow Bush.** (55 days.) A much enlarged strain of the early yellow bush scallop, quite prolific; average size 14x4 inches, and weight, 5 lbs.

**Mammoth White Bush.** (50 days.) Fruits round white, deeply scalloped, lobes being in pairs; very tender and delicious.

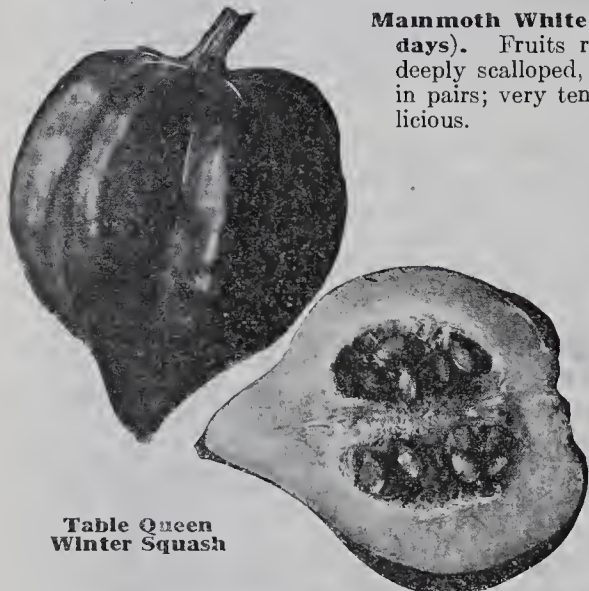
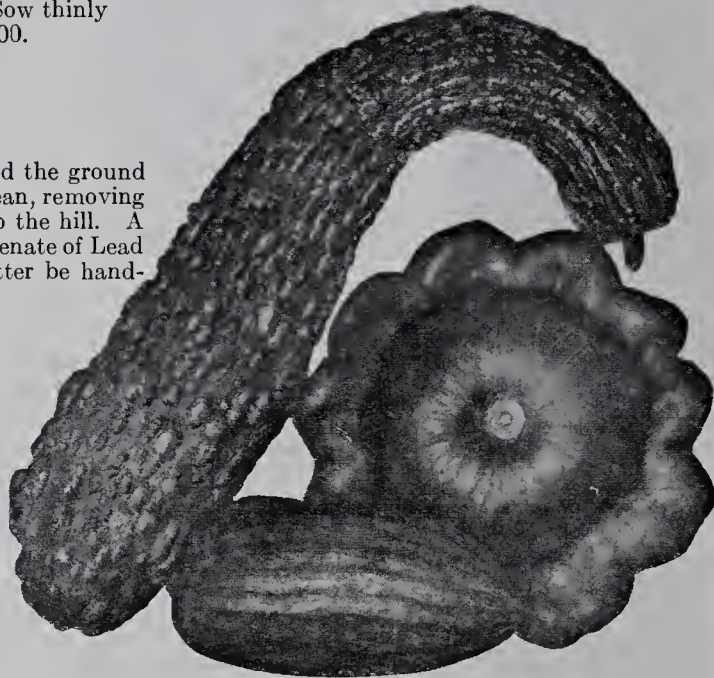


Table Queen  
Winter Squash



The Three Types of Summer Squash

**PRICES—All Varieties except as noted:**

Pkt., 10 cts.; oz., 15 cts.;  $\frac{1}{4}$  lb., 35 cts.; lb., \$1.00.

### Winter Varieties

**Blue Hubbard.** A sport from the well known Hubbard, resembling the warted Hubbard but excelling it in flavor and dryness. It is a blue gray in color, grows very large and is a heavy cropper; thick meated and of excellent quality.

Pkt., 10 cts.; oz., 15 cts.;  $\frac{1}{4}$  lb., 45 cts.; lb., \$1.25.

**Delicious.** (75 days.) It is of medium size, dark green in color and with very thick flesh which cooks dry, and is of superior flavor. Although a good fall variety it is in its best condition in the winter.

**Golden Hubbard.** (110 days.) The color is a deep orange, tipped green at each end. The flesh is golden yellow, of excellent flavor and cooks dry; a good keeper.

**Hubbard.** (110 days.) Skin deep olive green, flesh orange yellow. Sweet, rich flavored; keeps well through the winter; boils or bakes dry.

**Table Queen.** (80 days.) 6 to 7 inches long by 4 to 5 inches thick, the shell a smooth dark green with sometimes a blotch of red at the pointed end; the productiveness and eating quality second to none. Cut in two, baked twenty minutes, and served in the half-shell, it is an ideal and convenient individual side dish.

## TOBACCO

**Connecticut Seed Leaf.** A popular cigar variety, also largely used for pipe smoking by those who prefer a home cured natural leaf. Makes a large broad leaf and is the only variety extensively grown in northern states.

Pkt., 10 cts.;  $\frac{1}{4}$  oz., 20 cts.;  $\frac{1}{2}$  oz., 35 cts.; oz., 60 cts.

### Grow Popcorn and Peanuts

For Winter  
Evenings

$\frac{1}{2}$  lb. Australian Hulless Popcorn... 20c  
1 lb. Valencia Peanuts..... 35c  
Special postpaid price.....

**45c**

Eat Spinach—whether you like it or not. Also, most women insist on a few hills of Summer Squash.



# TOMATOES

## Plant S & H Seed and Grow Tomatoes of Prize-Winning Quality

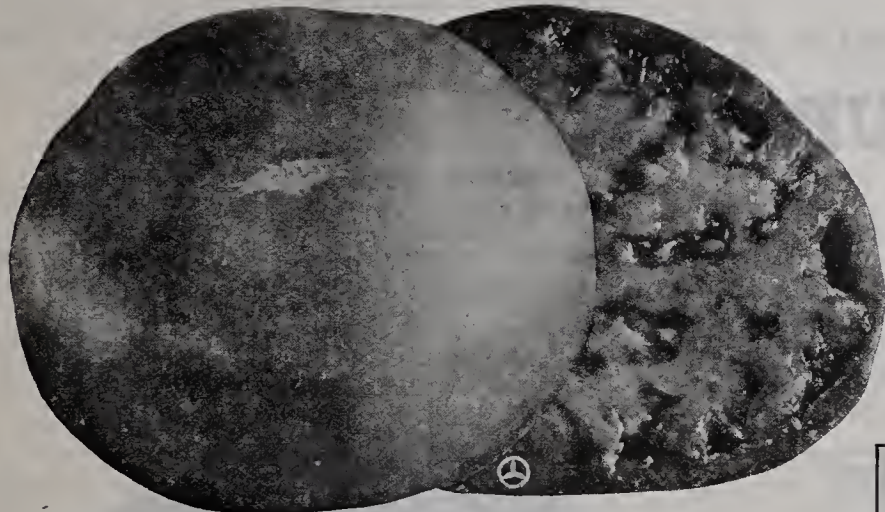
**CULTURE.** Sow in hot beds during March, or from six to eight weeks before they can be set out of doors; when the plants have four leaves transplant into shallow boxes, setting them 4 or 5 inches apart; give them plenty of air and endeavor to secure a steady growth. Set out of doors as soon as danger from severe frosts is over. Seed may be sown in the open ground also at this time, and will make strong hardy plants, that will be excellent for fruiting. The choicest tomatoes are obtained by training the plants to stakes and keeping them pruned. Use stakes 2 inches square, 5 or 6 feet long. The main stem and two branches should be saved, cutting the others off just beyond the first cluster of blossoms. This treatment allows all the fruits to develop to perfection and none are lost from rotting on the ground. One ounce will produce 3,000 plants.

### PINK SKIN VARIETIES

**PRICE—(unless noted):** Pkt., 10 cts.; ½ oz., 20 cts.; 1 oz., 35 cts.; ¼ lb., \$1.25; 1 lb., \$3.75.

**Acme. (100 days.)** Of spreading growth; producing abundant medium sized fruits of irregular shape, in clusters of three to five. The flesh dark red, fine in texture, slightly acid.

**Cleveland Market.** One of the most satisfactory and popular sorts. Fruits ripen evenly, are uniform in size, very solid and finest quality. They are exceptionally smooth and do not crack readily. Vines large, vigorous and very productive, ripening fruits about mid-season.



New Colossal

**Early Detroit. (90 days.)** Early and very large size, nearly round.

**Globe. (95 days.)** Large globe shape, always smooth, firm fleshed with few seeds, and ripens evenly. One of the best forcing varieties.

**June Pink. (85 days.)** An early variety, blight resisting, long and heavy yielding, similar in habit to the famous Earllana, except its color is pink. An excellent shipper.

**Oxheart. (120 days.)** A new variety of unique shape—like a big ox-heart, or a Delicious apple. Of large size, best quality of tomato flavor, smooth pink skin, few seeds; its supreme qualification is the broken cell structure, and the one to two inches of solid flesh before a seed is reached. A heavy yielder; on healthy, open, spreading vines. Pkt., 15 cts.; ½ oz., 40 cts.; oz., 75 cts.; ¼ lb., \$2.25; 1 lb., \$6.75.

**Ponderosa. (110 days.)** In addition to its ponderous size, it is very solid, with few seeds; a beautiful crimson throughout. Pkt., 10 cts.; ½ oz., 25 cts.; oz., 45 cts.; ¼ lb., \$1.50; 1 lb., \$4.50.



Early Detroit

### PINK SKIN VARIETIES (Cont.)

**Truckers' Favorite. (100 days.)** Flattened, smooth skinned fruits 3½ by 4 inches thick, attractive for the market. The flesh is meaty, very solid, and of excellent quality.

**New Colossal. (110 days.)** One of the largest, heaviest and best tomatoes, averaging 2 to 3 pounds. Close celled, firm flesh with remarkably few seeds, and little waste. Flavor sweet, cool and sprightly, notably free from the commonly objectionable acidity; Solid, 5-inch slices; satisfactorily all-tomato when cooked, and a profitable can filler when preserved—in every usage expressing the highest quality of flavor and texture. To illustrate its meatiness and freedom from seeds, compare the average requirement of 1½ bushels of tomatoes to produce a pound of seed, with this giant fruited variety which requires 7 to 10 bushels to produce a pound of seed. Pkt., 10 cts.; ½ oz., 35 cts.; oz., 65 cts.; ¼ lb., \$2.00.

### RED SKIN VARIETIES

**PRICE—(unless noted):** Pkt., 10 cts.; ½ oz., 20 cts.; 1 oz., 35 cts.; ¼ lb., \$1.00; 1 lb., \$3.50.

**Bonny Best. (88 days.)** Large, smooth fruit of a rich scarlet red, the color demanded by many markets. Fruit thick, with a small core, excellent for any purpose. Slices exceptionally well. Nearly globe shaped, slightly flattened at stem. Borne in clusters of five or six fruits, all ripening together.

**Earllana. (85 days.)** Remarkable for its earliness, large size, uniform shape, solid fruit, attractive red color, and productiveness. Long the leading high quality early market variety.



Earllana, Red Skin

There's health down in the ground of your garden. Vegetables absorb it, to pass on to you.





New Wayahead Tomato

## TOMATOES—Red Skin Varieties (Cont.)

**Break O'Day.** This new early tomato—a cross between Earliana and Marglobe, has made quite a sensation among gardeners and canners wherever it has been seen. At the Cornell Agricultural College Experimental grounds the past season, Break O'Day produced the earliest ripe fruit and the largest yield of ripe fruit the first two weeks of picking, in competition with all the standard early varieties as well as the newer kinds. The fruit is as round and smooth as an apple, deep orange-red and colored well up to the stem. Within, the color is deep red and flesh is very solid, with thick walls and remarkably few seeds. The vines are of spreading habit with large leaves, resist blight well and carry an abundance of fruit.  
Pkt., 15 cts.; ½ oz., 40 cts.; oz., 75 cts.; ¼ lb., \$2.25; lb., \$6.75.

**John Baer. (85 days.)** Very large, free from core and of an attractive bright red color. Very prolific, one plant often having from fifty to seventy-five fruits which are borne in clusters and ripen evenly clear to the stem; never bursts. Unexcelled for early home or market use.  
Pkt., 10 cts.; ½ oz., 20 cts.; 1 oz., 35 cts.; ¼ lb., \$1.00; 1 lb., \$3.50.

**Marglobe. (95 days.)** Fruits are smooth, globular, meaty, almost coreless, and deep scarlet in color. They ripen uniformly, even around the stem, and resist cracking.  
Pkt., 10 cts.; ½ oz., 20 cts.; oz., 35 cts.; ¼ lb., \$1.25; lb., \$3.75.

**Stone. (110 days.)** A fine main crop tomato for market or canning. The beautiful red fruit is perfectly smooth and very large, ripening evenly, and is free from rot, even in wet seasons. Pkt., 10 cts.; ½ oz., 20 cts.; oz., 35 cts.; ¼ lb., \$1.25; lb., \$3.75.

**Wayahead. (85 days.)** A new variety, and one of the best. Extra early, resembling Earliana but preceding it, with handsome, smooth, solid, red fruits. A heavy cropper, with a vigor which keeps up the size even on the latest set fruits. Pkt., 10 cts.; ½ oz., 25 cts.; oz., 45 cts.; ¼ lb., \$1.50.

## LARGE YELLOW VARIETIES

**Golden Queen. (90 days.)** Large yellow fruit; very sweet, almost free from acid; splendid for preserving or for slicing; to those who on account of acidity do not eat tomatoes, we can recommend this variety. Pkt., 10 cts.; ½ oz., 25 cts.; oz., 45 cts.

**Yellow Ponderosa. (110 days.)** Identical with Ponderosa in quality and size but produces golden yellow fruits, exceptionally free from acid, making it a desirable variety for home use and one of the most attractive to use in mixed color salads. Pkt., 10 cts.; ½ oz., 30 cts.; oz., 55 cts.

## SMALL FRUITED

**Yellow Pear. (95 days.)** Fruits a clear, handsome yellow. Very sweet and free from acid. Pkt., 10 cts.; ½ oz., 20 cts.; oz., 35 cts.

# TURNIPS

**CULTURE.** Turnips do best in a highly enriched, sandy, gravelly, or light loamy soil. Commence sowing the earliest varieties in April, in drills from 12 to 15 inches apart, and thin out early to 6 or 8 inches in rows. For a succession, sow at intervals of a fortnight until the last week in May. The early varieties are often broadcasted between corn rows or sown as a catch-crop to succeed the early potatoes. From the last of July to the end of August sowing may be made for the fall and main crops. One ounce sows 100 feet of drill. Two pounds per acre in drills, 12 to 15 inches apart; one pound 2 feet apart; 3 lbs. broadcast.

**PRICE OF ALL TURNIPS, by mail, postpaid:**  
Pkt., 10 cts.; oz. 15 cts.; ¼ lb., 25 cts.; lb., 65 cts.

**Purple Top White Globe. (70 days.)** The most popular turnip grown either for table or stock. Of globular shape, rapid growth, and an excellent keeper. Flesh pure white, skin white with purple top.

**White Egg. (50 days.)** Quick growing pure white; solid firm, flesh fine grained, cooking up sweet and tender. Egg shaped, skin pure white.

**Early Purple Top, Strap Leaved. (55 days.)** Similar to Early Flat Dutch, but purple on top. Of excellent quality, for market.

**Early White Flat Dutch. (40 days.)** Extra early, flat strap leaved, mild, fine quality. Use when small and tender. Also grown for fall crop.

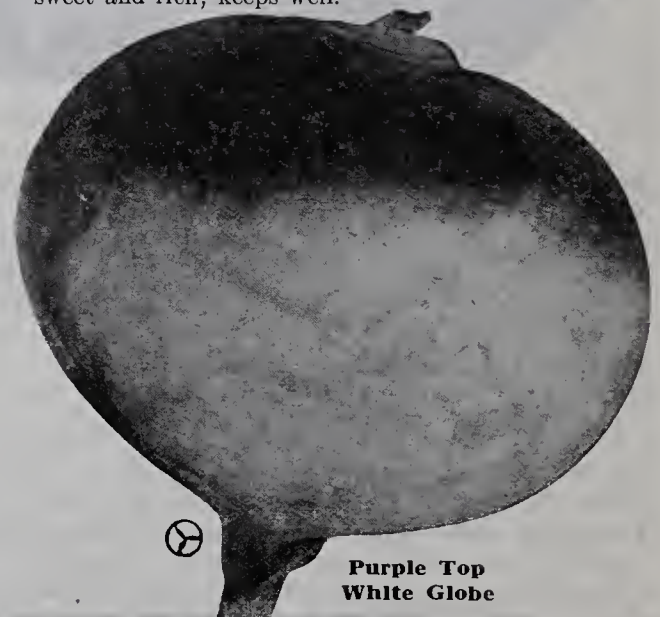
## YELLOW FLESHED

**Orange Jelly or Golden Ball. (70 days.)** A very distinct, round yellow variety. One of the finest sorts for family use. Flesh pure yellow, fine grained, sweet and tender. Does not attain a large size but is firm, hard and of most excellent flavor. Makes an ideal fall crop to store for winter use.

## RUTA BAGA OR SWEDE

**Improved Purple Top Yellow. (95 days.)** One of the best of the Swedes, hardy and productive; flesh yellow, sweet and well flavored; shape slightly oblong terminating abruptly, color purple above and yellow under the ground; rich in flavor. A popular market sort.

**Large White Ruta Baga. (90 days.)** (Sweet Russian.) This variety is most excellent either for table or stock. It grows to a large size; flesh white, solid, firm texture, sweet and rich; keeps well.

Purple Top  
White Globe





# S. & H. LAWN GRASS SEED

## How to Make a Lawn

**T**HE successful keeping as well as making of a beautiful lawn lies most largely in the thorough preparation before a seed is sown. If there is grading to be done the top soil to the depth of 6 to 8 inches should first be removed to one side; giving with the top soil after the grade is complete.

This should be thoroughly harrowed and raked to reduce to as fine a condition as possible, as well as to level it, as nothing detracts so much from the appearance of a lawn as an uneven surface. Sow the seed as early in the spring as convenient, the earlier the better if the soil is in good condition, scattering it in both directions at right angles to each other, which will give a more even distribution. After the seed has been sown it should be raked lightly, then thoroughly rolled.

**No one kind of grass** will make a lawn that will keep beautifully green all through the season, but a mixture of several is essential. Our Velvet Sod Mixture is a splendid exemplification of scientific knowledge and practical treatment, giving quick, sure and satisfying results unsurpassed by any general lawn mixture on the market

## Re-cleaned Grass Seeds

Our grass and clover seeds will more than pass any **State requirements** as to purity, and will please the most critical buyers. We handle only the finest and cleanest grades procurable. So much depends upon grades that prices vary greatly in all grass seeds.

### We Do Not Guarantee Prices on Grass and Clover Seeds

The prices herein are based on values at time of going to press with this catalogue; subject to market fluctuations.

Prices quoted by lb. and 3 lbs. are postage paid by us. Larger quantities, unless noted, are by express or freight collect.

**Creeping Bent.** (*Agrostis Stolonifera*.) Modern golf has popularized this thickly rooting, densely cropping grass for putting greens. Makes a velvet smooth, low, thrifty lawn surface, sown 60 pounds to the acre.  
By mail postpaid—Lb., \$1.25; 5 lbs., \$5.50; 10 lbs., \$10.50.  
By express or freight—10 lbs. or more at \$1.00 per lb.

**Kentucky Blue Grass.** **Fancy Clean.** Also known as June Grass, a valuable variety for lawns when mixed with other grasses, and especially valuable as a pasture grass. About three bushels to the acre for pasture. (21 pounds to the bushel.)  
Lb., 35 cts.; 5 lbs., \$1.40; 10 lbs., \$2.75—By mail postpaid.  
10 lbs. and over, by express or freight, at 25 cts.

**Red Top Fancy.** Re-cleaned seed, 32 lbs. per bushel. Grows well in almost any soil and is valuable either for meadows, pasture or lawns, especially so for moist land. About 15 pounds to the acre.  
Lb., 35 cts.  
10 lbs. and over, by express, at 20 cts.

**English or Perennial Rye Grass.** A nutritious, quick-growing grass for meadows and pastures. It does well on sloping banks, as its roots are fibrous and mat-like. 24 pounds to the bushel.  
Lb., 30 cts.; 3 lbs., 85 cts.  
10 lbs. and over, by express or freight, at 16 cts.

**Orchard Grass.** A valuable grass for pastures, for sowing in orchards or shady places. It grows rapidly and does not suffer from close feeding. When sown alone three bushels should be sown to the acre; 14 lbs. to the bushel.  
Lb., 35 cts.; 3 lbs., \$1.00.  
10 lbs. and over, by express or freight, at 20 cts.

## S. & H. LAWN GRASS MIXTURES



**“Velvet Sod.”** A mixture of fine dwarf, close growing grasses, that will produce a neat, velvety lawn and permanent sod in a short time. Weight, about 25 pounds to the bushel. One pound will seed about 300 square feet; 80 to 100 pounds are required for an acre.

**“Shady Lawn.”** A mixture of fine grasses which thrive under the shade of trees or buildings where there is little sun.

### PRICES—Of Both Above Mixtures

By Mail, postage paid.	
½ lb. — 25 cts.	3 lbs. — \$1.25
1 lb. — 45 cts.	5 lbs. — 1.80
2 lbs. — 85 cts.	10 lbs. — 3.50

### By Express or Freight, not prepaid.

15 lbs. at 29 cts.	20 lbs. at 28 cts.
25 lbs. and over at 27 cts.	

### Meadow Fescue or English Blue Grass.

Especially suited for permanent pasture and is also fine for hay. Grows 2 to 3 feet high, but not in tufts like Orchard Grass. The hay is very nutritious and cattle thrive on it whether dry or green. Succeeds even in poor soil, and as the roots penetrate deep, from 12 to 15 inches, it takes extremely dry weather to affect it. As a fertilizer it has valuable properties, and will stand freezing very effectually. About 24 pounds of seed are sown to the acre.  
Lb., 30 cts.

10 lbs. or over, by express or freight, 15 cts.

**Hard Fescue.** A splendid grass for golf links, tennis courts, etc.; will resist droughts. Sow 6 to 7 bu. per acre (12 lbs. per bu.).  
Lb., 45 cts.

By express, 10 lbs. and over, at 30 cts. per lb.

### Poa Trivialis. (Rough Stalked Meadow Grass.)

No grass is better adapted for pleasure grounds, particularly under trees, as it will not only grow in such places, but forms a fine sward where few other grasses can exist. A fine grass for dry ground under bay windows, overlapping roofs and shady side yards.

Lb., 45 cts.; 5 lbs., \$2.00; 10 lbs., \$3.75. By mail postpaid.  
10 lbs. or more, by express or freight at 30 cts. per lb.

**Sheep's Fescue (*Festuca ovina*).** Grows naturally on light, dry sandy soils and mountain pastures; considered valuable mixed with other grasses for permanent early spring pasture. Sow 15 lbs. per acre. Bushel, about 12 lbs.  
Lb., 45 cts.

By express, 10 lbs. and over, at 30 cts. per lb.

**Timothy. (*Phleum pratense*).** Of the easiest cultivation and with us is usually sown in connection with winter grain in the fall, to which a seeding of clover is added early in the spring. 45 pounds to the bushel; from ½ to 1 bushel to the acre.  
Lb., 30 cts., postpaid. Write for price per bushel.

Without good seed, you never will get a good lawn. Use S. & H. Lawn Grass Mixtures



## S. & H. Co's CLOVER SEEDS Selected

**Alfalfa.** (Lucerne.) For bringing up poor land it is the best of the clovers, as it not only produces large masses of foliage but forces its roots deeply into the earth. On land that is not naturally rich it needs fertilizing to help it get started. If there is no lime in the soil a top dressing of it should be given when the land is plowed. For inoculation, see "Nitragin" offer page 96. It should be mowed often enough during first season to keep the weeds down, being careful to cut above the crowns of the Alfalfa plants. Not adapted to low, wet land. Lb., 35 cts. Write for samples and prices on larger quantities. Sow early in spring or fall at rate of 20 pounds per acre.

**Alsike.** (Swedish.) An excellent variety, of luxuriant growth and very sweet; valuable for pasture or ensilage, especially on moist land; makes good bee forage. Sow 5 to 6 pounds per acre. Lb., 35 cts. Write for prices on larger quantities.

**Scarlet or Crimson Clover.** Brilliant scarlet flowered annual; very productive and greedily eaten by cattle, remains green longer than the red variety, and is excellent for bee food. Largely used for green manuring; sown in August it may be plowed under the following June. Sow 15 pounds per acre. Lb., 35 cts. 10 lbs. and over, by express, at 20 cts.

**Sweet Clover.** (Bokhara.) (Melilotus alba.) This legume is native to all parts of this country and is the most beneficial of all crops for building up worn-out land. Thrives on all soils, but like all clovers, requires lime, which should be supplied on land where it is lacking. Makes fine pasture for bees and good quality of hay relished by all stock. Does best when seeded alone. Sow in spring or fall. Twenty to thirty pounds are required per acre. Lb., 30 cts.; 10 lbs. and over, by express, 15 cts.

**White Dutch Clover.** Excellent for lawns in mixtures with grasses. A good pasture clover. Sow at the rate of 6 to 8 pounds per acre. ½ lb., 40 cts.; lb., 70 cts.; 2 lbs., \$1.35; 5 lbs., \$3.00 by mail postpaid. 5 lbs. and over, by express, at 55 cts.

**Medium Red Clover.** This is regarded as the most valuable of the Clover family. It is sometimes called June Clover and is a dependable all-around variety for farmers and stockmen. It makes two crops each year. The first is usually cut when it is in blossom for hay; the last crop may be harvested for seed, cut for hay, or plowed under to add fertility to the soil. It may be sown either in the spring or fall, and if no other grasses are used, at the rate of from 8 to 12 pounds to the acre, according to quality of seed used and condition of the soil. Clover adds greatly to the fertility of the land on which it is grown. It does not exhaust the soil, but enriches it. Lb., 35 cts. For quantity, write for prices.

## S. & H. Miscellaneous FARM SEEDS

Prices per single pound, and 3 pounds where listed, are postage paid by us; in larger quantities by express or freight, purchaser pays charges. Prices subject to market changes.

**Broom Corn.** (Improved Evergreen.) This variety is extensively grown on account of the color and quality of the brush, which is long, fine, straight and always green. Grows from eight to ten feet tall. Plant in rows 3½ feet apart and 3 inches apart in the row. Lb., 35 cts., postpaid. By express, 10 lbs. and over at 12 cts. per lb.

**Canada Field Peas.** Field Peas make a very valuable crop. They can be fed in mixture to all kinds of live stock and are very valuable as nitrogen fixers, leaving the soil from which a crop of peas has been harvested richer in nitrogen than it was before. Sow alone at the rate of 3 bushels per acre or with oats, for fodder, at the rate of 2 bushels of peas and 1 bushel of oats per acre. By freight or express, collect: 10 lbs. at 10 cts. per lb.; 60 lbs. at 9 cts. per lb.; 100 lbs. at 8 cts. per lb.

**Tennessee Millet.** No other plant that has yet been introduced for grass or forage has been able to produce anything approaching the enormous yield of Millet when grown under favorable circumstances. The seed we offer is genuine Tennessee grown, of the finest quality. There is a wonderful difference in true Southern grown Millet when compared with the cheap Western grown. True Southern Millet will produce double the amount of hay produced from Western grown seed. Sow for feed one bushel to the acre.



Medium Red Clover

**Tennessee Millet—Prices:** Lb., 30 cts., postpaid. By express, 10 lbs. at 10 cts.; 50 lbs. and over at 9 cts.

**Japanese Millet.** This grows six to eight feet high, stands remarkably well, and yields from 10 to 12 tons green fodder per acre. It may be sown from the middle of May to the first of July, broadcast at the rate of fifteen pounds per acre. Lb., 40 cts., postpaid. By express, 10 lbs. at 18 cts.; 50 lbs. and over at 15 cts.

**Hairy Vetch.** (Vicia Villosa.) This legume is rapidly springing into favor in the North as a fall soiling crop. Grows luxuriantly and is one of the greatest nitrogen gatherers. Requires no special soil preparation, neither is it particular as to soil, and is therefore very valuable for bringing up poor land. Makes a valuable and nutritious hay. If used for this purpose it should be cut in the spring when seed pods, which resemble small peas, are just forming. Its feed value is equal pound for pound with prime wheat bran. In the latitude of northern Ohio, Vetch should be sown by September 15, to get well started that fall. Farther south it may be sown later. Rate of thirty to forty pounds to the acre. Lb., 35 cts.; 3 lbs., \$1.00. 10 lbs. and over at 18 cts. per lb. by express.

**Peanuts.** (Valencia.) A very desirable and productive Spanish bush type. Mild, sweet flavored, bearing 3 or 4 peas in each hull. Pkt., 10 cts.; ½ lb., 20 cts.; lb., 35 cts.; 2 lbs., 65 cts.; 5 lbs., \$1.25—all postpaid.

**Rape.** (Dwarf Essex.) Extensively grown for forage, especially for sheep; makes excellent green feed for poultry. They can be turned into it within six to eight weeks after sowing. Cattle and sheep are apt to bloat if the leaves are wet or they are turned in hungry and allowed to fill themselves. Sow in June or July, in rows two and one-half feet apart at the rate of five pounds seed per acre, or may be sown broadcast at the rate of eight pounds per acre; it may be sown in April with oats, for an early crop after the oats are cut. Lb., 35 cts.; 3 lbs., \$1.00. By express, 10 lbs. and over at 12 cts.; 50 lbs. and over at 10 cts.

**Sunflower.** (Mammoth Russian.) Of considerable value as a poultry food. Many people insist it clears the air of malaria germs. In small gardens the heavy, erect, growing stalks may be utilized for supporting Kentucky Wonder or other pole beans. Lb., 30 cts. By express, 10 lbs. or over at 15 cts. per lb.

**Sudan Grass.** This forage crop is of immense value to the South or any section not sufficiently supplied with rainfall. It is a great drought resister and makes an excellent quality of hay. Grows from five to nine feet tall and stools freely when given plenty of room after cutting. Do not sow until the ground has become thoroughly warm. 16-24 pounds to the acre broadcast, or 4-6 pounds in drills, 18-24 inches apart. Lb., 35 cts.; 3 lbs., \$1.00. By express, 10 lbs. or over at 15 cts.

**Sugar Cane.** (Early Amber.) The standard variety for the North. The beautiful amber colored syrup it produces is thought to be superior in flavor to any other, and for sugar is unsurpassed. Valuable as a forage plant. Makes excellent milk-producing feed either green or dry. Six pounds are required per acre in rows, or 40 to 50 pounds broadcast or drilled. Lb., 30 cts. By express, 10 lbs. and over at 12 cts.

**Sugar Corn for Fodder.** Very nutritious, rich and succulent for feeding green. 10 lbs. by freight or express, 10 cts. per lb.; 100 lbs. at 8 cts. per lb.

The reliability of S. & H. seeds is backed by 78 years of experience and good reputation.



# FLOWER SEED

## S & H Superior Strains

**24-Hour Delivery on All Seed Orders**

**F**LOWERS are enjoyed by everyone and are so easily raised from seeds that any home can have an abundance of blossoms during the entire year. Those we offer in the following pages are the products of the best American and European growers. No better strains are to be obtained at any price. Complete directions for sowing are printed on each packet.

**CLASSIFICATION.** Flowers are usually known as Annuals, Biennials and Perennials.

**Annuals** bloom and ripen seed the first year, then perish.

**Biennials** do not generally bloom the first year and are in perfection the second year only.

**Perennials** \* flower several years in succession, many blooming the first year from seed sown early, and are used for permanent plantings.

**WHEN TO SOW SEED.** **Hardy Perennials** and **Biennials** may be sown either in early Fall or Spring and require no protection through the Winter.

**Hardy Annuals** may be sown either in late Fall or Spring.

**Half Hardy Annuals, Biennials** and **Perennials** cannot be sown in open ground until warm weather; they may, if desired, be started early inside and transplanted afterwards. The latter two need protection in Winter or may be carried through in cold frames or greenhouses.



Ageratum

A tabulated list of **Perennials** and **Hardy Biennials** may be found on page 87.

**THE TENDER FLOWERING VINES** are collected into one page; see page 93.

**PRICES:** Seeds ordered in packets are delivered by mail, postpaid at prices named in descriptions.

\* MARKS: (\*) **Hardy Perennials** are listed with a star (\*) in the following pages.

† This mark (†) designates plants specially adapted for cut flowers.

**New Low Prices**



Sweet Alyssum

### AGERATUM

Little fluffy, bristly balls of color in sizeable clusters, liberally supplied from early summer until autumn. Being low and compact, they are mainly utilized for edgings or narrow borders. Half hardy annual.

**Blue Perfection.** Deep amethyst-blue flowers in large clusters.

Very even in growth, about 12 inches high. Pkt., 10 cts.

**Tom Thumb.** 6-inch. Bright blue. Pkt., 10 cts.

### ALYSSUM

Hardy annual. White, sweet scented edging and basket plants. For borders, sow thickly; for winter bloom sow in August and transplant to pots.

**Little Gem.** Makes a perfect "carpet of snow" not over 4 inches in height, commencing to bloom in spring when very small, and continuing without interruption until late fall. Pkt., 10 cts.; 1/4 oz., 20 cts.; 1/2 oz., 35 cts.; oz., 65 cts.

**Sweet Alyssum.** Not over 6 inches high on account of its trailing habit; very sweetly fragrant.

Pkt., 10 cts.; 1/4 oz., 15 cts.; 1/2 oz., 25 cts.; oz., 40 cts.; 1/4 lb., \$1.00.

## WINTER FLOWER SEED COLLECTION

**"Everlasting Flowers"**  
for Garden Bloom, and  
Winter Dried Bouquets.

5 Kinds  
Regular 10c Pkts.—  
for 35c

**Globe Amaranth** (Gomphrena). Charming, round, little clover-like blossoms in white, pink and bronzy yellow. Mixed...10c

**Rhodanthe.** A wealth of late summer bloom on slender stems, in white, pinks and red. Mixed.....Pkt...10c

**Sea Pinks** (Statice Sinuata). Large clusters of small bottle-brush flowers on slender stems. Shades of blues, rose and yellow. Should be dried off in a cool and shady place. - Mixed.....Pkt...10c



Strawflower

**Strawflowers** (Helichrysum). See page 84. Our choice mixture of distinct colors.....Pkt...10c

**Honesty** (Lunaria). See page 85. A biennial; take care of it for next year's superb crop of silver money flowers. Pkt...10c.

One packet each; the  
5 pkts. postpaid for

**35c**



Winter Bouquet Everlasting Flowers

## SUMMER FLOWER SEED COLLECTION

**"Bouquet Flowers"**

Selected Kinds for  
Free Bloom and  
General Superiority

**\$1.00**

Fifteen Full-Size  
10c Pkts.—

**ONLY, Postpaid**

- |   |              |
|---|--------------|
| 1 Pkt. Aster, Giant Comet Mixed             | \$0.10       |
| 1 " Bachelor Button, Double Mixed           | .10          |
| 1 " Carnation Marguerite, Mixed             | .10          |
| 1 " Calliopsis, Fine Mixed                  | .10          |
| 1 " Didiscus Coeruleus                      | .10          |
| 1 " Larkspur, Giant Hyacinth Flowered Mixed | .10          |
| 1 " Marigold, Tall Double African Mixed     | .10          |
| 1 " Mignonette, Large Flowering             | .10          |
| 1 " Pinks, Double Choice Mixed              | .10          |
| 1 " Phlox Drummond, Mixed                   | .10          |
| 1 " Salpiglossis, Mixed                     | .10          |
| 1 " Scabiosa, Mixed                         | .10          |
| 1 " Snapdragon, Tall Mixed                  | .10          |
| 1 " Baby's Breath                           | .10          |
| 1 " Zinnia, Giant Double Mixed              | .10          |
|   | Value \$1.50 |





**\*ANCHUSA DROPMORE**

Grows bushily to 4 or 5 feet with broad, rough foliage. Breaks out all over with showy clusters of deep gentian blue, in spring an almost solid mass of color, with intermittent flashes throughout the summer. Perennial. Pkt., 10 cts.

**†ANEMONE CORONARIA**

A delightful poppy-like type belonging to the early and late fall. Its bloom is solitary, but numerous, large, on slender stems, ideal for vase bouquets. Perennial, blooming the first year if sown early and shaded until plants appear. Mixed colors. Pkt., 10 cts.

**†ANTIRRHINUM [Snapdragon]**

Snapdragons are among the most popular bedding plants; the richness and diversity of their colors, their great freedom and protracted blooming season giving them great value for garden color masses, as well as for cutting. They have dark glossy leaves; and pea-shaped flowers with uniquely marked throats, set densely in long, upright racemes. They bloom in July from seed sown outdoors in early May; but for earlier bloom, seed should be started indoors during March. Succeed best in dry loamy soil.

**†ANTIRRHINUM MAXIMUM**

**New Race of Snapdragons**—3 feet. This large flowering group of Snapdragons far surpasses all other varieties we have yet offered. They are tall growing and the flowers are of magnificent size, closely placed on the spikes.

**Apple Blossom.** Delicate pink.

**Bunch of Lilac.** Deep lilac.

**Copper King.** Bronzy copper.

**Golden Queen.** Deep yellow.

**Orchid.**

**Ruby.** Rich, velvety, ruby red.

**Snowflake.** Pure white.

**The Rose.** Rose pink.

Pkts., 15 cts.; 1/8 oz., 40 cts.

**Finest Mixed.** Pkts., 15 cts.; 1/8 oz., 35 cts.; 1/4 oz., 65 cts.

**†TALL SNAPDRAGONS**

**(Majus Grandiflorum).** About 2 feet. A splendid mixture of colors—White, various shades of pink, yellow to orange, and all red shades. All kinds together.

**Mixed.** Pkt., 10 cts.; 1/8 oz., 25 cts.; 1/4 oz., 45 cts.

**†HALF-DWARF SNAPDRAGONS**

**Nanum Medium Mixed.** Of stocky growth with magnificently colored, very large spikes of flowers. Far superior to tall varieties for bedding as they are more compact, and have fully as large flowers. (All colors.) Pkt., 10 cts.; 1/8 oz., 25 cts.; 1/4 oz., 45 cts.

**†ARCTOTIS [African Daisy]**

**Grandis.** 2 to 3 feet high. A useful and charming cut flower from June till after hard frosts; lasting a week or two in water, undeveloped buds opening up perfectly if kept in the sun. The daisy flowers are glistening white on the uptilting face, variegated by the partially visible under surface of pale lilac-blue. Pkt., 10 cts.

**Giant Snapdragon**

**ARTEMISIA**

**Sacrorum Viridis (Summer Fir).**

Broadly pyramidal, close-branched bushes of bead-like, dark green foliage; a beautiful specimen up to 5 feet high suggestive of a "Christmas Tree"; or useful as a foliage group; or even in large pots. Pkt., 10 cts., 1/8 oz., 25 cts.

**†S. & H. ASTERS**

**ASTERS** are among the most popular and easily grown of all our annuals.

By making a sowing of each of the various sorts, a continuance of flowers may be had from early Summer until frost. For early flowers, sow the seed in house or greenhouse during March or April and transplant to the open ground in May. For later flowers which are the finest, sow thinly in the open ground early in May, transplanting as soon as plants are large enough. Half hardy annuals.

**Early Asters. First bloom in July.**

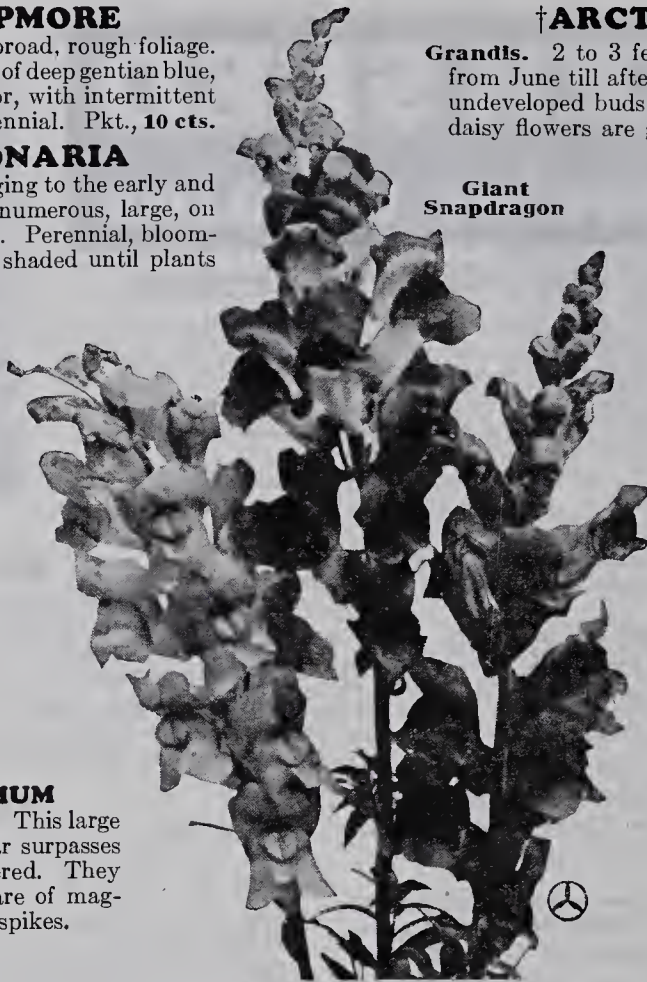
**Queen of the Market.**

Earliest of all the Asters, flowers characteristically perfect in form. Grow about 12 inches high and very branching; the flowers on long stems valuable for cutting.

**Mixed.** Pkt., 10 cts.; 1/8 oz., 25 cts.

**“Lady Roosevelt.”**

One of the finest of recent introduction; perfect in shape and Comet type; color a magnificent rose-pink; long strong stems and for cutting has no superior. Our seed comes from selected stock and is of first quality. Pkt., 10 cts.; 1/8 oz., 30 cts.

**†\*AQUILEGIA—Columbine**

The general appearance of “Columbines” with their deep cut, round-lobed foliage and nodding flower stems, expressing so many lovely shades of color, is graceful, airy and distinctive, typical of spring time. They are used liberally in low borders to offset any appearance of formality; and provide an un-failing succession of cut flowers, well into summer. Hardy perennial.

**Chrysantha.** Heavily spurred yellow flowers ranging from clear canary to deep yellow. Pkt., 10 cts.

**Caerulea.** Sepals blue, petals white, a dainty effect. Pkt., 10 cts.

**Long Spurred Hybrids.** A choice mixture of long spurred varieties in various colors, shades of blue are predominant. Pkt., 10 cts.

**Mixed Double Aquilegias.** Bulky double flowers; best colors. Many people prefer the greater petalage of this type. Pkt., 10 cts.



Anemone



Anchusa Dropmore



African Daisy



Columbine



**EARLY ASTERS—Continued.****Extra Early Express (Comet).**

These extra early Asters, of the well known Comet type, are the largest early Asters grown. Well developed flowers range from 3½ to 4 inches across, very free of yellow centers and borne upon stems of good length. Plants reach a height of about 18 inches.

**Mixed.** Pkt., 10 cts.; ⅛ oz., 30 cts.

**Mid-Season Asters. Commencing to bloom in August**

**Asterum.** Well named, because the large shaggy flowers are really more like Chrysanthemums than Asters. Plants are branching with long stems but rather dwarfer than the Comet type. **Mixed colors.** Pkt., 10 cts.; ⅛ oz., 30 cts.

**Giant California Sunshine.** A direct cross between the well-known California Giants and the dwarf, much-branched Sunshine type, hence the name. Plants of this new race grow 3 feet high and bear blossoms on long, stiff stems, admirable for cutting. The individual blooms are enormous, 4 to 5 and 6 inches in diameter. **Mixed.** Pkt., 25 cts.; ⅛ oz., 50 cts.

**Early Beauty.** A new introduction having all the desirable characteristics of the Late Beauty Type, yet because of its earlier season is valuable for locations where the season is too short to flower the late type before frost; and for early forcing. **Finest Mixed.** Pkt., 10 cts.; ⅛ oz., 25 cts.

**Giant Comet.** A type well known and appreciated for its striking resemblance to the Japanese Chrysanthemums; flowers large, twisted, curled and crested. 1½ feet.

**Giant Comet Mixed.** Pkt., 10 cts.; ⅛ oz., 25 cts.



**Queen of the Market**

**Mikado.** This shaggy group is derived from the Comet type with distinct arrangement of narrow petals which are very long and gracefully reflexed, outer ones showing to full extent; while those in center bend and curl across each other so as to give the entire flower a fluffy appearance. Of gigantic size, often spreading to 6 inches.

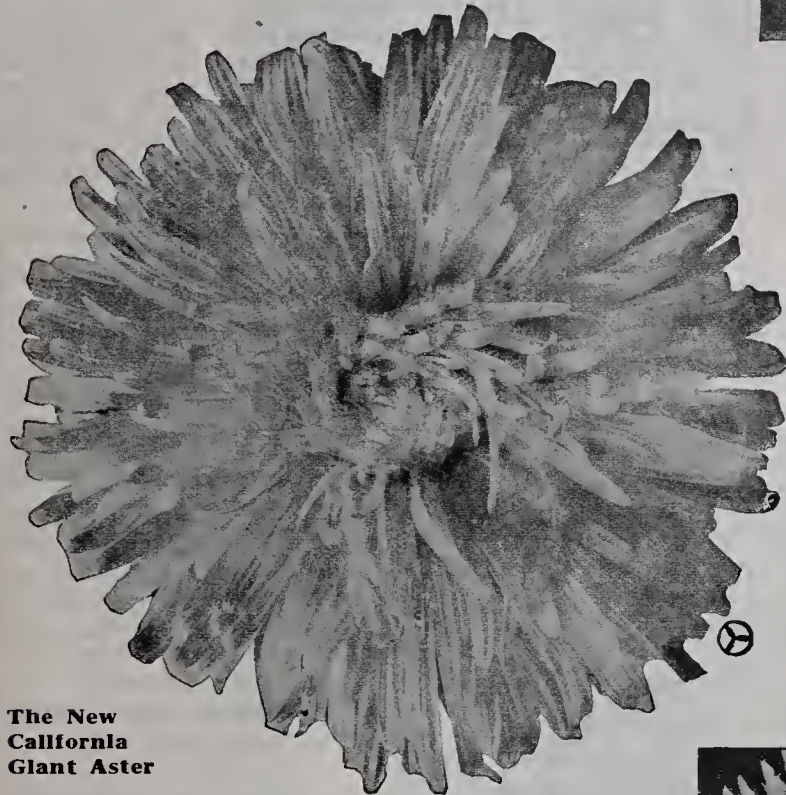
**Mikado Mixed.** Pkt., 10 cts.; ⅛ oz., 25 cts.

**King Type.** This type is quite distinct owing to the very double petalage, which is characteristically quilled, at times almost needle-like. They are strong and sturdy, averaging 18 inches in height; with an abundance of large, perfect flowers for three months.

**King Finest Mixed.** Pkt., 10 cts.; ⅛ oz., 25 cts.

**"Sensation."** This is a new variety, genuinely red. In shadow, its color tone is deep garnet, or oxblood red; but sunshine brings out the life and brilliancy of fire. Its flowers average about 3½ inches across, borne very freely throughout August and September on 12 inch stems. The plants are quite branchy, about 18 inches high. Pkt., 10 cts.; ⅛ oz., 30 cts.

**LATE ASTERS — Listed next page.**



**The New  
California  
Giant Aster**

**California Giants.** A new derived type with giant 5 to 6 inch flowers expressing the popular Crego or Ostrich Feather style, coupled with the more robust habit and greater length of stem characterizing the Beauty class. This welding of types benefits its value for cutting, enabling their extreme size and perfection to be used in vase and floral work where the ordinary stems would not give sufficient support.

Separate colors: **Light Blue, Deep Rose, Light Purple, Dark Purple, Peachblossom and White.** Each: Pkt., 15 cts.; ⅛ oz., 50 cts.

**California Giants Mixed.** Pkt., 15 cts.; ⅛ oz., 40 cts.

**Crego.** This section produces the largest flowers of the Comet type; very full and fluffy, around 5 inches in diameter. When cut, this group outlasts all others of the type.

**Crego Mixed.** (All colors.) Pkt., 10 cts.; ⅛ oz., 25 cts.



**The King Type**

## ANNUALS for Edging Purposes

**Ageratum**  
**Alyssum, Sweet**  
**Baby's Breath**  
**Candytuft**  
**Lobelia**  
**Nasturtiums**  
(Dwarf)  
**Pansy**  
**Petunia**  
**Phlox, Annual**  
**Calloopsis** (Choose  
dwarf variety)  
**Celosia** (Choose  
dwarf variety)  
**Marigold** (Dwarf  
French and  
Signata Pumila)

**If you want all-summer bloom, make Annuals the mainstay of your border**



**ASTERS — Concluded.**

**Late Asters. In prime from September on**

**“Crimson Giant.”** This new late variety is very brilliant in beds or borders, revealing all the good qualities of the Branching type, although itself of upright growth 15 to 18 inches high. Its flowers are densely double, very large (seldom under 5 inches), aglow with the richness and brightness of blood-crimson. Pkt., 10 cts.;  $\frac{1}{8}$  oz., 25 cts.

**“Heart of France.”** This new late Aster opens red as the purest ruby, deepens with age and retains its remarkable beauty to the very end. The flowers are large and full, with never a trace of hollow center, larger than any other dark sort. The plants are of branching type and very robust habit, 24 inches high. The stems are long and strong and have very few laterals. The plants begin to bloom quite early, open fully with the mid-season varieties, but reach their supreme glory in September. Pkt., 10 cts.;  $\frac{1}{8}$  oz., 35 cts.

**Late Branching.** A useful class for bedding, the strong, branching plants 2 to 2½ feet high. The flowers are very large and double (5 inches wide), with long, strong stems, making splendid cut-flowers.

**Late Branching Mixed.** Pkt., 10 cts.;  $\frac{1}{8}$  oz., 25 cts.

**Ostrich Feather Mixed.** Immense flowers of loose petals, blooming in August. Very attractive. When used for cutting, allow flowers to develop in water after picking when half expanded. Pkt., 10 cts.;  $\frac{1}{8}$  oz., 25 cts.



**Late Branching Asters**

**Royal Mixed.** An early flowering form of the late Branching. A superb Aster blooming in late July or early August. Very desirable for beds or borders, and their long stems make them good for cutting also. Pkt., 10 cts.;  $\frac{1}{8}$  oz., 25 cts.

**Late Beauty Mixed.** Plants about 2 to 3 feet high of branching habit. Starts blooming in September and lasts until frost. Flowers large, borne on long and stout stems from 18 to 24 inches long. Pkt., 10 cts.;  $\frac{1}{8}$  oz., 25 cts.

**Chinese Single Mixed.** These large, brilliant Daisy-like flowers with yellow centers are exceedingly showy for vase decorations. Very free flowering. 2 feet. Pkt., 10 cts.;  $\frac{1}{8}$  oz., 15 cts.



**Crego Aster**  
See Page 79

**WONDER  
ASTER  
Collection**

**1 Pkt. each  
all for  
30c  
Postpaid**

*One Packet each of the following:*

**QUEEN OF THE MARKET MIXED.** Earliest of all the Asters, flowers characteristically perfect in form. Grow about 12 inches high and very branching; the flowers on long stems valuable for cutting. 1 pkt., 10 cts.

**EXTRA EARLY EXPRESS MIXED.** These extra early Asters, of the well known Comet type, are the largest early Asters grown. Well developed flowers range from 3½ to 4 inches across very free of yellow centers and borne upon stems of good length. Plants reach a height of about 18 inches. 1 pkt., 10 cts.

**THE ROYAL MIXED.** A new class of American Aster. Its habit of growth is entirely distinct, the stems growing directly from the ground and not on side shoots from the main stem like other varieties. Medium early bloomer. 1 pkt., 10 cts.

**GIANT OSTRICH FEATHER MIXED.** The finest type of the Giant Comet, or Ostrich Feather type of Aster. Much larger than the Giant Comet, the petals longer, more twisted, and produced in greater abundance. Borne on long stems, they make cut-flowers par excellence. 1 pkt., 10 cts.

**CHINESE SINGLE ASTERS MIXED.** These large, brilliant Daisy-like flowers with yellow centers are exceedingly showy for vase decorations. Very free flowering. 2 ft. 1 pkt., 10 cts.



**Bachelors Button**

**\*HARDY ASTER  
(Michaelmas  
Daisy)**

These tall growing, bushy perennials fill an important place in all hardy flower gardens, lighting up the backgrounds and shrubberies with their clouds of brightly colored blossoms throughout the autumn months up to November, when other flowers are scarce.

**Hardy Aster Mixed.**  
Pkt., 15 cts

**†BACHELORS  
BUTTON**

Pretty 2 foot border plants, and reliable cut-flowers. Hardy annual.

**Double Blue.**  
Pkt., 10 cts.;  
 $\frac{1}{4}$  oz., 25 cts.

**Double Mixed.**  
Pkt., 10 cts.;  
 $\frac{1}{4}$  oz., 25 cts.

**BALLOON VINE**  
(See Vines, Page 93)

**You will have satisfaction and pleasure-giving results when you secure your seeds from Storrs & Harrison.**



**BALSAM****Giant Double Camellia Flowered**

Tender annuals, thriving in hot weather, if planted in good soil and well watered. Should be set about 18 inches apart. If wanted early, sow indoors and transplant. This has a tendency to dwarf the plants, making them more satisfactory. The large, double, gaudily colored flowers are set like Hollyhocks along the 2-foot stems, with slender leaves protruding. Colors, pink, white and scarlet.

**Mixed.** Pkt., 10 cts.;  $\frac{1}{4}$  oz., 25 cts.

**†CALENDULA**

Hardy annuals; 1 foot. A wonderful profusion of flowers ranging from ivory to orange. Valuable for bed and borders. Bloom until late fall.

**Ball's Florists' Strain.** A new but well proven strain specially adapted to forcing; the flowers unusually large and double, of uniformly rich, dark orange color; with extra long, firm cutting stems.

Pkt., 10 cts.;  $\frac{1}{4}$  oz., 30 cts.

**Campfire.** Has proven to be the best orange Calendula on the market; extremely large, very dark orange with a scarlet sheen. This strain has been carefully selected and will produce very strong stems with few buds on them.

Pkt., 10 cts.;  $\frac{1}{8}$  oz., 25 cts.;  $\frac{1}{4}$  oz., 45 cts.

**Orange King.** Bright orange-red, with dark eye. Very double, often 3 inches across. Pkt., 10 cts.;  $\frac{1}{4}$  oz., 20 cts.

**Radio.** An English introduction. The flowers are medium size of good depth, clear orange in color. The petals are beautifully quilled which has an extraordinary effect on the appearance of the flower. Pkt., 10 cts.;  $\frac{1}{8}$  oz., 25 cts.

**Coldest Mixed.** All colors.

Pkt., 10 cts.;  $\frac{1}{4}$  oz., 20 cts.;  $\frac{1}{2}$  oz., 35 cts.; 1 oz., 65 cts.

**†CALLIOPSIS or COREOPSIS**

Sow where they are to remain, and thin to 1 foot apart.

**Golden Wave.** Bright golden flowers, 2 inches across, each distinctly marked with dark brown center. Hardy annual. Pkt., 10 cts.

**Finest Mixed.** (Red, orange, etc.) Hardy annual. Pkt., 10 cts.;  $\frac{1}{8}$  oz., 25 cts.

**\*Lanceolata Grandiflora.** Beautiful hardy perennial; 15 to 18 inches; producing its golden yellow flowers in great profusion. Pkt., 10 cts.

**CARDINAL CLIMBER** (See Vines, Page 93.)



Ball's Calendula



Calliopsis Golden Wave

**†CAMPANULA [Bell Flower]**

Well known biennials with bell-shaped flowers of varying size and type, which add wonderfully to the charm of summer gardens. Seed sown in the open in early April will develop sturdy little plants prepared to bloom in great profusion throughout the summer of next year. Transplant in October and give winter protection.

**Carpatica (Carpathian Harebell.)** Fine for edging; 6 inches high. Thimble size bells borne very freely and continuously. Blue and White. **Mixed.** Pkt., 10 cts.

**Medlum. (Canterbury Bells.)** Long stemmed and large flowered, of deep pitcher shape. Colors range from blue and rose to white, in mixture.

—**Single Medlum Mixed.** Pkt., 10 cts. **Double Medlum Mixed.** Pkt., 10 cts.

**Calycanthemum. (Cup and Saucer.)** Practically the same as the type, except this form is provided with an extra large calyx which gives a distinct impression of a cup and saucer.

**Blue.** Deep, solid shade. **Rose.** Bright. **White.** Waxy white. **Mixed.** All shades.

**Choice of above, Pkt., 10 cts.**

**CANARY BIRD FLOWER** (See Vines, Page 93.)

**†CANDYTUFT [Iberis]**

Wonderfully effective for white massing, but long a favorite cut flower as well. Most blooms are sweetly fragrant. Hardy annual, about one foot.

**Giant Hyacinth Flowered. White.** The results of persistent painstaking selection from Empress; unquestionably the largest and best formed of the white varieties.

Pkt., 10 cts.;  $\frac{1}{4}$  oz., 25 cts.; oz., 75 cts.

**Empress or Snow Queen.** A complete mass of large snow white flowers.

Pkt., 10 cts.;  $\frac{1}{4}$  oz., 20 cts.;  $\frac{1}{2}$  oz., 35 cts.

**Crimson.** A fine large flower.

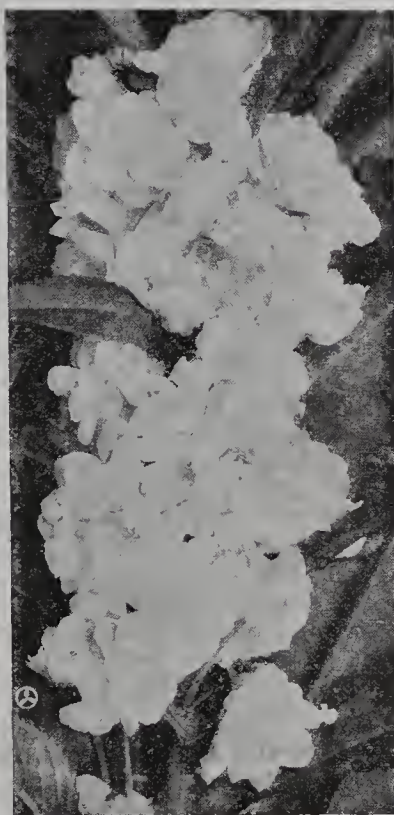
Pkt., 10 cts.;  $\frac{1}{4}$  oz., 25 cts.

**Lavender.** True lavender, very fine.

Pkt., 10 cts.;  $\frac{1}{4}$  oz., 25 cts.

**Fine Mixed.** Pkt., 10 cts.;  $\frac{1}{4}$  oz., 15 cts.; oz., 25 cts.

**Perennial. (\*Iberis Sempervirens. ☉)** Hardy evergreen; pure white. Comes into bloom early in the Spring and is a favorite rock plant. Pkt., 15 cts.

"Cup and Saucer"  
Bell Flower

Balsam



Candytuft



## †CARNATION

Carnations have ever been highly regarded for their spicy scent, bright colors and generally charming appearance. Useful in summer garden and winter greenhouse as well. Start seed under glass and transplant when sufficiently large. Half-hardy perennial. 1½ feet.

**Extra Choice Double Mixed.** A large portion of this seed will produce double flowers. Pkt., 15 cts.

**Double Mixed.** All shades and colors. Pkt., 10 cts.

**Marguerite.** With ordinary care this double, fluted, highly scented type will be in full bloom in 4 months after sowing the seed, flowering in profusion until checked by frost. Protection ordinarily insures their permanency, and early spring bloom. The colors range through many shades.

**Mixed.** Pkt., 10 cts.; ¼ oz., 25 cts.

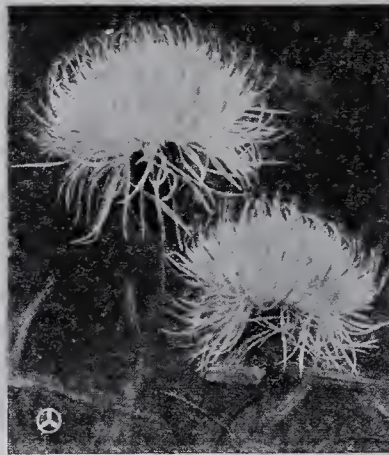
## CELOSIA [Cockscomb]

Free and continuous blooming annuals of great value for injecting brilliancy of color into beds or borders. Content with light soil not too rich. Cut blooms may be dried for winter decoration. Conservatory pot plants. If started inside, transplant them in May, or sow in the open at that time.

**Chinese Wool Flower.** This recent novelty is the most curious of all Celosias. Globular flowers, like balls of bright wool, bloom in July and continue until cut down by frost; do not fade, but increase in size and brilliancy. Height, 2 to 3 feet.

**Mixed.** Pkt., 10 cts.; ¼ oz., 35 cts.

**Spicata.** Plants grow 3 feet high, branching freely, each stem terminating in a round slender pointed spike of bloom. The flowers at first are a soft bright rose, changing to silver white, so that a fully developed spike resembles a slender silver plume with a bright carmine tip. Easily dried for winter use. Pkt., 10 cts.



“Sweet Sultan” (Centaurea)



“Dusty Miller” (Centaurea)

## CELOSIA PLUMOSA [Feathered Cockscomb]

This “Ostrich Feather” type grows from 2 to 5 feet high very showy with their large, dense, and continuing upright plumes. Very effective in garden sections; as fresh cut flowers, and dried, or potted.

**Ostrich Feather Tall Mixed.**

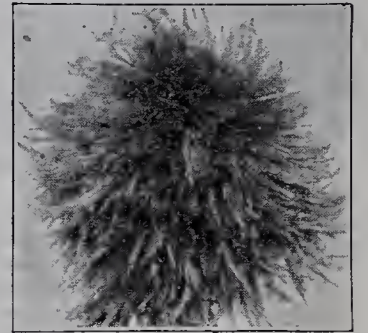
Pkt., 10 cts.

**Castle Gould.** A distinct type, particularly well adapted to use as pot plants, being literally clothed from base to summit with immense feathery heads of bloom. 2 to 3 feet high. The colors embrace blood red, carmine, yellow, golden orange, scarlet, wine red.

**Mixed.** Pkt., 10 cts.

**Improved Cristata (Crested Cockscomb).** Very popular annual of easy culture, producing large, ornamental, comb-like heads like ruffled chenille.

**Finest mixed.** Pkt., 10 cts.



Chinese Wool Flower

## Annual Seed Collections Page 77



Single Annual 'Mums

**Gymnocarpa.** A useful foliage plant known as “Dusty Miller.” Grows to 1½ feet; deeply indented fernlike foliage so dusted with silver as to be almost white. Half-hardy perennial. Pkt., 10 cts.; ¼ oz., 25 cts.

†**Imperialis (Giant Sweet Sultan).** Bushes are covered with large, fluffy ball-shaped, sweet-scented flowers. Will keep a week or over in water, if cut when just about to open. Hardy annual, 2 feet.

**All colors mixed.** Pkt., 10 cts.

## †CHRYSANthemum

**Annual Double and Single Mixed.** Beautiful double and single types together in a wide range of colors, blooming gorgeously all summer. The single kinds are prettily called “painted daisies.” Pkt., 10 cts.

## CINERARIA

**Hybrida Grandiflora (Large flowered).** Choice house or conservatory plants for early spring decoration. Grow from 12 to 18 inches high, are completely covered with flowers, 2 and 3 inches across, of white, blue, violet, and crimson shades. Seed may be sown from May to September for succession. Greenhouse perennial. **Mixed.** Pkt., 25 cts.

**Maritima.** Another “Dusty Miller,” denser than the Centaurea type; one of the showiest silver or white-leaved foliage plants for bedding, ribbon beds and margins. In rich soil they will reach 2 feet in height. Pkt., 10 cts.; ¼ oz., 25 cts. (See illustration with Kochia on page 85).

## †CLARKIA ELEGANS

This pretty, easily grown annual is a popular garden and cut-flower plant, 12 to 18 inches high, showy in borders, hanging baskets or vases; not particular as to location.

The bloom is double, abundant, in small leafy racemes, and opens well in water when cut.

**Double Mixed.** Pkt., 10 cts.

**COBEA SCANDENS [See Vines, Page 93]**

## COLEUS—Choicest New Hybrids

A beautiful class of popular decorative foliage plants with such diversity of pattern and rich coloring, their growing is a matter of absorbing interest and pleasure. For bedding or pot culture.

**Coleus Mixed.** Pkt., 15 cts.

## †COSMOS

These delightful, fall blooming plants are seldom lacking in our gardens. Their growth is much branched and bushy up to 5 or even 6 feet, the fine-cut, lacy foliage being decidedly ornamental from the very first. Special soil preparation is not necessary and the early flowering kinds may be sown where they are to stay; but the later types should be started inside, preferably potted to procure a confined root-ball, and transplanted to not less than 18 inches interval only after danger of frosts is over. It is well to pinch back the tops at about 2 feet, to induce more branches. The flowers are conspicuously large and well distributed, brightly colored, and very welcome for both garden show and bouquets at a time when bloom is scarce.

## MAMMOTH EARLY FLOWERING COSMOS

Flowers fully equal in size to the Giant Fancy class, blooming abundantly in August. Develops quicker, although not so tall.

**Mammoth Early Mixed.** Pkt., 10 cts.; ¼ oz., 20 cts.; oz., 60 cts.



Crested Cosmos





### GIANT FANCY COSMOS

Called "Giant" because their flowers were so much larger and more perfect than the old line of Cosmos, which they have since entirely replaced. On account of their late bloom, it is best to sow their seeds inside to get an early start; then transplanting after the late spring frosts. Northern gardens may be rewarded for a considerable period before the first frosts of Autumn.

**Giant Cosmos Mixed.** Pkt., 10 cts.;  $\frac{1}{4}$  oz., 20 cts.; 1 oz., 60 cts.

### NEW DOUBLE-CRESTED COSMOS

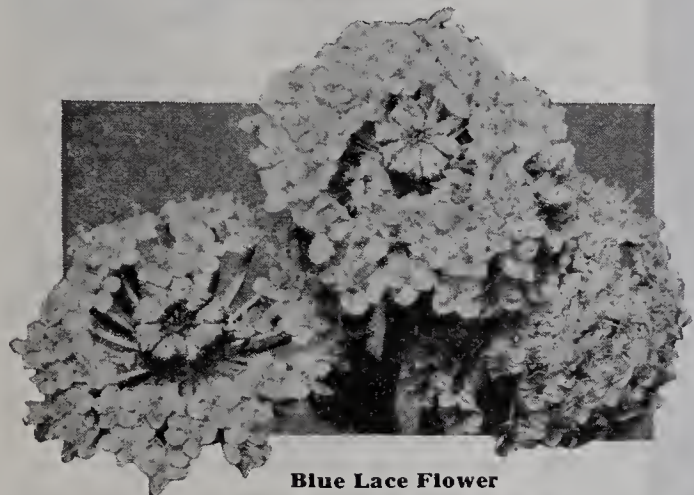
This beautiful type is something entirely different from other Cosmos. The flowers are double-crested, having double centers with a row of petals around the base. Flowers are borne on strong stiff stems, fine for use as a cut flower.

**Crested Mixed.** Pkt., 10 cts.;  $\frac{1}{8}$  oz., 25 cts.

### CYCLAMEN

Bulbous-rooted plants, with beautiful foliage and richly colored, fragrant flowers. Tender perennials.

**Persicum Giganteum.** Six inches high; large pea-like solitary flowers in abundance. **Mixed.** Pkt., 35 cts.



Blue Lace Flower



Early Flowering Cosmos

### † DAHLIA

Half hardy perennial; 2 to 4 feet. Popular late summer and autumn flowering plants. The double type will bloom first season if sown by April 1st; but sowing the Singles may be deferred as late as June.

**Double Mixed.** Finest double flowers, including the new, large flowered varieties. Pkt., 15 cts.;  $\frac{1}{8}$  oz., 35 cts.

**Single Giant Perfection.** The flowers are large; many are marbled and striped. Mixed colors. Pkt., 10 cts.;  $\frac{1}{8}$  oz., 25 cts.

### ENGLISH DAISY [Bellis Perennis]

A favorite dwarf perennial, the 6-inch plant providing a vast amount of short stemmed bloom through the spring and summer. Extensively used as edging plants, and usually carry over if winter mulched. Sow seed early in hot-bed or house and transplant to a rich, cool, partially shaded situation.

**Monstrosa Red.** Giant flowered red. Pkt., 10 cts.

**Monstrosa White.** Very large flowered. Pkt., 10 cts.

**Maxima Double Mixed.** Various shades. Pkt., 10 cts.

### \*† SHASTA DAISY

The pure white flowers with yellow centers are 3 to 4 inches in diameter, with waxy petals mostly broad and flat. They bloom the entire season and furnish an unfailing supply of cut flowers, besides being a conspicuous and popular white border plant. Hardy perennial;  $1\frac{1}{2}$  to 2 feet. Pkt., 10 cts.

### DATURA [Angels Trumpet]

Showy large branching plants, growing 2 to 3 feet high, bearing creamy white, trumpet-shaped flowers 6 inches in length, with a wide bell. They make a fine subtropical effect in the garden if given light rich soil and a sheltered sunny location. Pkt., 10 cts.

### DIDISCUS COERULEUS [Blue Lace Flower]

Seed sown outdoors after danger from frost, should insure bloom continuously from July to October. The much-branched plants grow to about 2 feet, with subdivided foliage. The terminal flower umbels average close to 3 inches across, a lacy association of long thin tubes and flaring faces in the numerous florets. The entire flower is such an appealing shade of "heavenly" blue, and its construction so dainty, we cut it for solid vase fulls, and as a mixer, and we pot it for winter house-bloom. Pkt., 10 cts.;  $\frac{1}{8}$  oz., 25 cts.

### ESCHSCHOLTZIA or California Poppy

California's state flower. Dwarf plants about 1 foot high, with spreading, silvery, fine cut foliage; furnishing a liberal quantity of poppy-like flowers from spring until late fall. In addition to the original yellow, the class is now enriched by various color shades. Border plants or masses. Hardy annuals.

**Golden West.** Large over-lapping petals; shining yellow, with orange blotch. Pkt., 10 cts.

**Double Mixed.** Shades of white and yellow. Pkt., 10 cts.

**Mixed Eschscholtzia.** All varieties, rich in shades of

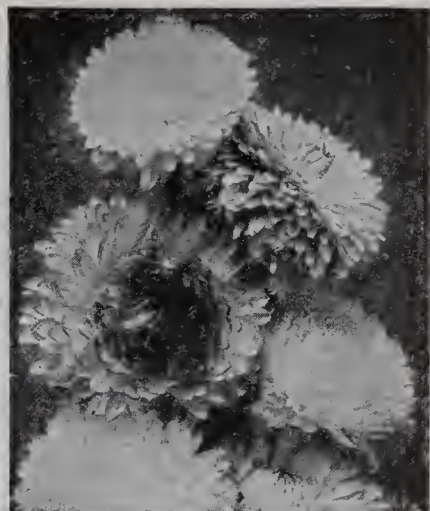
pink, crimson, and orange-scarlet. Pkt., 10 cts.;  $\frac{1}{8}$  oz., 15 cts.;  $\frac{1}{4}$  oz., 25 cts.

### Bush

### Eschscholtzia

(Hunnemania.) A fine bushy plant 2 feet high, with beautiful foliage, and large cup-shaped yellow flowers on long stems. Keep well in water.

Pkt., 10 cts.



English Daisies



California Poppy



**EUPHORBIA**

**Heterophylla.** (Mexican Fire-plant). Annual resembling the Poinsettia in habit and color. Smooth glossy-green leaves which in mid-summer turn to a beautiful orange-scarlet. 2 to 3 feet. Pkt., 10 cts.

**Variegata.** (Snow-on-the-Mountain.) An old garden favorite; foliage and flowers veined and heavily margined white. 2 to 3 feet. A good alternating plant with pink Geraniums, or surrounded by Petunias. Pkt., 10 cts.

**†FEVERFEW**

**Double White.** A bushy plant, bearing a profusion of double white daisy-like flowers of great popularity for summer bouquets. Hardy annual. Pkt., 10 cts.

**\*FORGET ME NOT [Myosotis]**

Hardy perennial, ½ foot. Very dainty edging plants.

**Palustris.** Blue, with white and yellow eyes. Pkt. 10 cts.

**Victoria.** Fine heads of large, clear, azure blue; plants bushy and compact. Pkt., 10 cts.

**FOUR O'CLOCK [Marvel of Peru]**

Blooms the first season from seed; the flowers, which are produced in clusters, open in the afternoon and wither the next morning. Generally planted in solid rows, to outline the garden plot or walks; its innumerable flowers and gorgeous diversity of colors furnishing a great deal of cheer at little expense. 2 feet. Our mixture contains a fine variety of colors.

**Mixed.** Pkt., 10 cts.; oz., 15 cts.; ¼ lb., 50 cts.; 1 lb., \$1.50.

**Dwarf Mixed.** Dwarf, compact, bushy plants with golden variegated foliage; the flowers of many brilliant colors. Pkt., 10 cts.; oz., 20 cts.; ¼ lb., 60 cts.

**FOX GLOVE [Digitalis]**

The mammoth 3 to 5 feet spikes of densely set colored flowers make them very desirable for use as backgrounds for lower growing plants. Hardy biennials. **Finest Mixed Gloxinoides.** Pkt., 10 cts.

**†GAILLARDIA [Blanket Flowers]**

**\*Grandiflora.** Hardy perennial, 2 feet, blooming first season. Flowers large and flat; yellow and orange, with center and rings of varying extent in shades of red and maroon.

**Mixed.** Pkt., 10 cts.

**Picta Mixed.** Annual, 1½ feet. Double and single flowers of many color shades. Pkt., 10 cts.



Foxglove

**†HELICHRYSUM****[Strawflower or "Everlasting"]**

Hardy annual 2 feet. Flowers are round, flat but thick, very full of short, stiff, incurved petals surrounding a depressed center. Their chief value is for winter use in baskets and vases, dried. Cut with long stems when about a third open, suspend bunch (heads down) in a cool, dry place until thoroughly dried. We offer only the **MONSTROSUM fl. pl.**, the largest and most double, with the widest range of colors:

<b>Fireball.</b>	<b>Crimson.</b>	<b>Salmon Queen.</b>	<b>Silverball.</b>
<b>Goldenball.</b>	<b>Scarlet.</b>	<b>Violet Queen.</b>	<b>Rose Queen.</b>

Above varieties—Pkt. 10 cts. each; ¼ oz., 30 cts; **Mixed.** Pkt., 10 cts; ¼ oz., 25 cts.

**STRAWFLOWER SET.** Consisting of one packet each of the 8 above varieties. **50c**  
8 pkts. for .....

**HELIOTROPE**

Valued for the fragrance of their flowers, and duration of bloom. Tender perennial 1 foot. Easily grown, blooming first summer if sown early.

**Lemolne's Giant Hybrid.** Of robust growth, and large flower heads, blooming all summer long. **Choice mixed colors.** Pkt., 10 cts.



Gypsophila—Baby's Breath



Gaillardia

Helichrysum  
(Strawflower)**\*†GEUM**

**Mrs. Bradshaw.** For use in bouquets and for red in hardy borders. They closely resemble dark crimson Carnations with broad, fluted petals, and a conspicuous tuft of golden stamens at center. Hardy perennial; 1½ feet. Pkt., 15 cts.

**Lady Stratheden.** Bright golden yellow, a beautiful refined flower. Pkt., 15 cts.

**†GILIA**

**Tricolor ("Birds Eyes").** 1 ft. Beautiful, rounded flowers most all summer, good for cutting and may be dried. Pale lilac, yellow towards the center with five purple spots; or a combination of white, pink and brown. **Mixed.** Pkt., 10 cts.

**GODETIA**

Their beautiful satiny, open flowers, covering a wide range of colors, produce a delightful effect in masses or borders. They bear good flowers even in shaded places where so few flowers can be grown, and are better in the cooler sections, and not too rich soil. Hardy annuals. 1 foot.

**Finest Mixed.** All colors. Pkt., 10 cts.

**GOURDS [See Vines, Page 93]****†GYPSOPHILA [Baby's Breath]**

Delicate stems and foliage in rounded clumps; profusely sprinkled with tiny star-bloom. These misty panicles are exquisite "mixers" with other flowers, either in bouquets or in the garden.

**Elegans.** Annual. To provide continuance of bloom, should be sown several times. Pkt., 10 cts.; ½ oz., 15 cts.; oz., 25 cts.

**\*Paniculata.** Hardy perennial; 2 feet. Flowers white with a general impression of being lavender, when in bud. Pkt., 10 cts.



**\*HIBISCUS [Marsh Mallow]**

Hardy perennial. Spreading growth up to 5 feet. Immense, single bell-flowers during late summer, in shades of red, pink and white.

Mixed. Pkt., 10 cts.



Hollyhocks

**\*HOLLYHOCKS**

Hardy perennial. 3 to 5 feet. Sow seed in June or July in open ground, transplant to 3 feet apart. Will bloom next year.

**DOUBLE FLOWERED—**

White.

Pink.

Yellow.

Red.

Maroon.

Mixed.

Newport Pink. The most vivid pink.

Lilac Beauty. A new, rich shade.

Choice of the 8 above varieties, Pkt., 10 cts.

**SINGLE FLOWERED. Mixed.** Tall growth; rich pillars of color. Pkt., 10 cts. each.

**Mammoth Fringed (Allegheny).** The flowers are from 4 to 6 inches across, single and semi-double, finely fringed and curled. Will bloom the first season if sown early. **Choice Mixed**, Pkt., 10 cts.

**†HONESTY [Lunaria Biennis]**

A hardy biennial, known also as Moonwort, Money, Peter's Pence, and Satin Flower. The interesting bloom is colored in crimson, purple, or white and is of unique value to brighten shady, damp places where there is seldom any colored bloom; but the large, round, flat seed pouch is what makes this plant so popular. It is transparent, silvery, in loose sprays, drying naturally so that it lasts all winter in dry bouquets with berries and other winter basket material. Sow seed in May. Cover plants before frost.

Mixed. Pkt., 10 cts.

**©ICE PLANT****[Mesembryanthemum]**

For baskets, rock work, vases. Appears covered with ice crystals. Tender trailer; 6 inches. Pkt., 10 cts.

**IPOMEA**

"Cypress Vine," "Moonflower," "Cardinal Climber," etc. See Climbing Flowers, Page 93.

**JOB'S TEARS**

Broad, glistening grass. The odd, tear-like seeds are often strung and used as beads. Hardy annual.

Pkt., 10 cts.; oz., 20 cts.

**†LARKSPUR [Delphinium]****ANNUAL**

**Giant Hyacinth Flowered.** The plants grow 3 feet high with long spikes of giant double flowers. Earliest flowering. Try these broadcasted with Shirley Poppies and Calliopsis. **Mixed Colors.**

Pkt., 10 cts.; 1/8 oz., 25 cts.

**Giant Hyacinth Flowered Dark Blue.** Pkt., 10 cts.; 1/8 oz., 25 cts.

**Emperor.** Produces an abundance of long slender spikes in the most delicate colors. **Mixed.** Pkt., 10 cts.; 1/8 oz., 25 cts.

**Double Tall Stock-flowered "Exquisite Pink."** A charming new double variety with long stems and spikes; dainty pink. Pkt., 10 cts.; 1/8 oz., 25 cts.

**Newport Scarlet.** This double scarlet variety is one of the choicest; ideal for cutting. Pkt., 10 cts.; 1/8 oz., 25 cts.

**Giant Hyacinth Flowered White.** Elegant snow-white double flowers set closely on long and stately spikes. Pkt., 10 cts.; 1/8 oz., 25 cts.

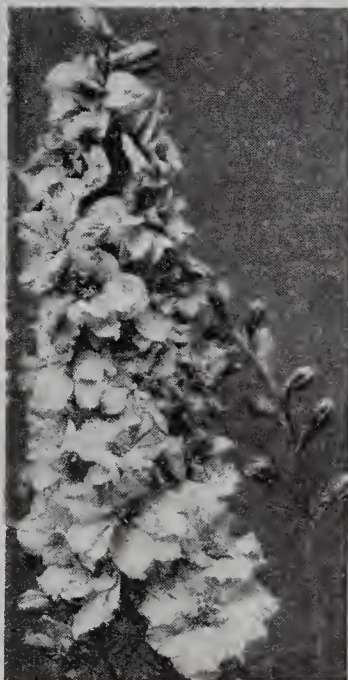
**\*PERENNIAL**

Useful and prolific, unsurpassed for furnishing the various shades of blue. All summer's bloom. Easily grown from seed.

**\*Belladonna.** A magnificent sort unrivalled for continuance of bloom, with large spikes of the most delicate turquoise blue. Fine for cutting. Pkt., 15 cts.

**\*Formosum.** Dark blue with white eye; 3 feet. Pkt., 15 cts.

**\*Choice Hybrids.** Mixed shades of blue. Pkt., 10 cts.

Annual Larkspur  
Giant Hyacinth  
Flowered

Kochia With

Border of Cineraria Maritima. (See Page 82)

**KOCHIA [Summer Cypress or Burning Bush]**

An annual plant of ideal character for temporary summer hedges. A feathery dense egg-shaped bush ranging from 2 to 4 feet according to soil. Foliage is so fine and close-set, the bush resembles a formally clipped evergreen, although soft enough to ripple. Pale, tender green throughout summer, the color turns towards fall to vivid red. Sow thinly in spring for an unbroken line but for individual expression transplant to 18 or 24 inches apart. Pkt., 10 cts., 1/4 oz., 20 cts.

**LINUM [Flowering Flax]**

**Grandiflorum Rubrum (Crimson Flax).** One of the most brilliantly colored of summer annuals, flowers glowing crimson-rose. Very beautiful in beds and borders, and may be had in bloom from May to October by successive sowings. Pkt., 10 cts.; 1/4 oz., 20 cts.

**LOBELIA**

A most excellent and useful genus of plants, easy of culture and well adapted for bedding, hedging, hanging baskets, pots or rockeries. Seed should be covered lightly.

**Crystal Palace Compacta.** Fine for bedding, compact, erect growth, deep blue. Annual. Pkt., 10 cts.

**Erinus Spectosa.** Of trailing habit, bright blue flowers; fine for baskets. Annuals. Pkt., 10 cts.

**Mixed.** Compact varieties. Annuals. Pkt., 10 cts.



Perennial Larkspur



Lobelia, fine for edging



## †LUPINE

**Annual Mixed.** Easily grown annuals, about 2 feet. Produces an abundance of long, graceful spikes of pea-like flowers which are very showy and pretty in shades of blue, rose and white. Fine for beds or borders as well as for cutting. Does well in partial shade. Pkt., 10 cts.;  $\frac{1}{8}$  oz., 20 cts.

## \*LYCHNIS CHALCEDONICA

Hardy perennials. Bright scarlet flowers of maltese cross form, usually in medium size flat umbels, handsome for beds and borders. Of easy culture, growing in any rich garden soil, blooming the first year if sown early. 2 to 3 feet. Pkt., 10 cts.

## †MARIGOLD [Tagetes]

Hardy annuals. The African varieties run to solid shades; the dwarf French varieties to fancy striping. All types are richly contrastive when assembled with the blue of Larkspurs or the vivid tones of Zinnias.

**Dwarf Double African Lemon.** Pkt., 10 cts.;  $\frac{1}{4}$  oz., 25 cts.

**Dwarf Double African Orange.** Pkt., 10 cts.;  $\frac{1}{4}$  oz., 25 cts.

**Dwarf Double African Mixed.** Mixed orange and yellow shades.  $1\frac{1}{2}$  to 2 feet. Pkt., 10 cts.;  $\frac{1}{4}$  oz., 20 cts.

**Tall Double African Eldorado.** Densely double flowers of extra size; rich golden yellow. Pkt., 10 cts.;  $\frac{1}{4}$  oz., 20 cts.

**Tall Double African Lemon.** Pkt., 10 cts.;  $\frac{1}{4}$  oz., 25 cts.

**Tall Double African Orange.** Pkt., 10 cts.;  $\frac{1}{4}$  oz., 25 cts.

**Tall Double African Mixed.** 3 feet. Varied color shades and showy. Pkt., 10 cts.;  $\frac{1}{4}$  oz., 25 cts.

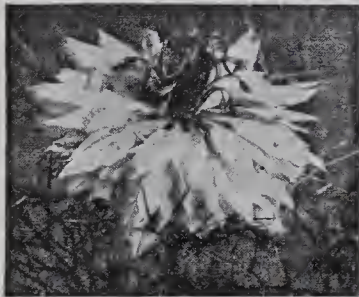
**Dwarf French Double and Single Mixed.** 1 foot. Finely cut foliage; flowers in fancy color combination and marking. Pkt., 10 cts.;  $\frac{1}{4}$  oz., 20 cts.

**Legion of Honor (Dwarf French Single).** A single-flowering Marigold, forming compact bushes 9 inches high. Begins flowering early, commencing in June, continuing until frost. The flowers are golden yellow, marked with a large spot of velvety maroon at the base of each petal. Pkt., 10 cts.;  $\frac{1}{4}$  oz., 25 cts.

**Signata Pumila (Dwarf Marigold).** Showy, dwarf, compact. Fine for potting, borders and edging beds. Rarely 12 inches high, with delicate fern-like foliage, and a summer's wealth of golden-yellow flowers. Pkt., 10 cts.;  $\frac{1}{8}$  oz., 20 cts.

## †MIGNONETTE

A delightfully fragrant, hardy annual, blooming the entire season in the flower border; also fine for cutting, and for pot culture during the winter and spring. **Goliath.** Immense spikes, on strong stiff stems; very fragrant, fine for cutting; bright red. Pkt., 10 cts.;  $\frac{1}{4}$  oz., 30 cts.



Nigella

**Machet.** The plants are dwarf and vigorous, of pyramidal growth; with long spikes of reddish green flowers.

Pkt., 10 cts.;  $\frac{1}{4}$  oz., 25 cts.

**Large Flowering.** The delightful old "Sweet Mignonette."

Pkt., 10 cts.;  $\frac{1}{2}$  oz., 15 cts.; oz., 25 cts.

## †NASTURTIUMS

There is a distinct, peppery and altogether pleasing scent to Nasturtium flowers; the foliage is so pretty in its roundness and fresh, clean green; the coloring is so vividly bright and cheery, there is small wonder that the various types of this family are so extensively planted. They do not require any unusual fertilization or attention, grow rapidly and bloom within a few weeks.

**Dwarf Mixed.** This splendid mixture contains all the named varieties and every color. No finer mixture can be made. They will produce enormous flowers on long stems, in a wonderful variety of colors.

Pkt., 10 cts.; oz., 15 cts.; 2 ozs., 25 cts.;  $\frac{1}{4}$  lb., 45 cts.; lb., \$1.25.

**Climbing.** The common **Tall Mixed** and **Lobb's Climbing** are offered with Vines. Page 93.



Dwarf French Double and Single Mixed Marigold



Mignonette

## NICOTIANA [Sweet Scented Tobacco Plants]

As summer garden plants, their long, broad leaves are quite as attractive as the fragrant star-shaped bloom.

**Affinis.** Pure white, sweet-scented flowers.

Pkt., 10 cts.

**Hybrida Mixed.** Has large star-shaped flowers in many colors. If plants are taken up in fall, cut back, potted, they will bloom in the house during the winter. 2 to 3 feet. Pkt., 10 cts.

## †NIGELLA

["Love-in-a-Mist" or "Devil-in-the-Bush"]

**Damascena.** Mixed blue and white. Compact plants a foot high, with fine cut foliage within which is set a profusion of pretty, curious shaped flowers and seed pods; make good short-stemmed cut flowers. **Mixed.** Pkt., 10 cts.



Dwarf Nasturtiums



Lupine

Marigolds and Nasturtiums are two of the showiest bedding types,—never out of bloom.



# S. & H. Co. † PANSIES

Pansy seed sown the latter part of April is best for spring sowing; under normal conditions, producing flowers by the last of June and continuously until fall. A well enriched, finely worked soil is best. If drilled in, seed should be covered not over four times its own depth. If thinly covered (paper will do), to preserve moisture, germination should occur within 8 to 12 days. When the plants are sufficiently developed, transfer to desired location, allowing about 9 inches for interval. Many people start them in hot beds or in boxes in the house, about two weeks before the probable earliest planting time.

## Improved Swiss Giant Mixture. Something new, and rare. Red, pink and salmon shades, never before seen in Pansies.

These colors are beautifully combined, all flowers 3 or 5-blotched. Then the size. 3 inches in diameter as an average, perfectly round with overlapping petals well up above the luxuriant foliage, on long sturdy stems. On account of their remarkable size and unaccustomed colors, they are of instant value for greenhouse culture; and are surely something different and desirable for the garden. **Mixed only.**

Pkt., 25 cts.; 3 pkts., 65 cts.; 5 pkts., \$1.00; 1/32 oz., 75 cts.; 1/16 oz., \$1.00; 1/8 oz., \$1.75; 1/4 oz., \$3.00

## S. & H. Superb Giant Mixture.

For years the most important and most extensively used of all our Pansy mixtures. It is a painstaking distribution of the numerous named varieties of its class, together with Odier, Cassiers, Bugnot and Trimardeau selections. Pkt., 15 cts.; 2 pkts., 25 cts.; 1/8 oz., \$1.25.



Improved Swiss Giant

## “Masterpiece” Choice Mixed. Distinct in form

of flowers, the border of each petal being conspicuously curled or waved, giving the flower a double or globular appearance.

Pkt., 15 cts.; 2 pkts. for 25 cts.; 1/8 oz., \$1.00.

## Trimardeau Mixed. A particularly robust, hardy strain with richly

colored flowers in the giant class, which rarely fails to give perfect satisfaction. Many growers claim better results and greater popularity for this type than obtainable from any other.

Pkt. 10 cts.; 3 pkts. for 25 cts.; 1/8 oz., 50 cts.

## Excelsior Mixed. One of the older types of selected large flowered Pan-

sies. It lacks many of the unique markings characteristic of newer forms, but still retains its own particular qualifications which make it especially adapted for bedding purposes.

Pkt., 10 cts.; 3 pkts., 25 cts.; 1/8 oz., 40 cts.

S. & H.  
“Color  
Riot”



## WILD GARDEN MIXTURES

**Annual Mixture.** Contains a mixture of seed from hundreds of free flowering annuals that will give amazing effect the first year. Pkt., 10 cts.; oz., 25 cts.; 1/4 lb., 75 cts.

**\*Perennial Mixture.** A splendid mixture of permanent flowers, all free flowering and very desirable. Pkt., 10 cts.; oz., 25 cts.; 1/4 lb., 75 cts.



Pentstemon

## PENTSTEMON

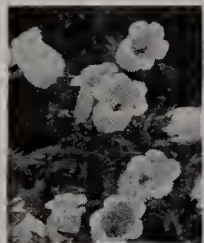
**\*New Large Flowering “Sensation.”** Hardy perennial. The numerous Gloxinia-shaped flowers are born in long spikes from May until frost. Will bloom the first season if sown early in a hot-bed and planted out as soon as frosts are over. The colors are white, pink, rose and crimson, many being spotted and margined with a contrasting color.

**Choice Mixed. Pkt., 10 cts.**



## \*PERENNIAL PEA [Lathyrus Latifolius]

Known and sold as Everlasting Sweet Pea. Quite hardy and not particular as to soil. Splendid for covering rocks, stumps and walls. **Mixed. Pkt., 10 cts.**



Canterbury Bell

## \*HARDY PERENNIALS and Biennials from Seed

Those who wish to grow their own plants will find that the selection of seeds listed below includes the finest varieties of the most popular flowers. In the case of perennial seeds, the earlier they are sown the better it is for plants that should give satisfactory bloom the next year.

	Pkt.		Pkt.
*Anchusa Dropmore.....	\$0.10	*Hollyhock. Mammoth Fringed (Mixed)...	.10
*Anemone Coronaria (Mixed).....	.10	*Hollyhock, Double.	
*Aquilegia (Columbine) Mixed Double.....	.10	Maroon, Pink, Red.....	Each .10
“Chrysanthia (Canary yellow).....	.10	White, Yellow.....	Each .10
“Caerulea (Blue and white).....	.10	Newport Pink.....	.10
“Long Spurred Hybrids.....	.10	Lilac Beauty.....	.10
*Asters. Hardy Mixed. (Michaelmas Daisy).....	.15	Double Mixed.....	.10
Campanula Media (Canterbury Bell.)		*Hollyhock, Single Mixed.....	.10
Double Mixed.....	.10	Honesty (Lunaria). Mixed.....	.10
Single Mixed.....	.10	*Lychnis Chalcedonica.....	.10
“Carpatica. Mixed.....	.10	Pentstemon. New Large Flowered. Mixed.....	.10
“Calycanthemum (Cup and Saucer). Blue, Rose, White, Mixed.....	Each .10	*Perennial Pea. Mixed.....	.10
*Candytuft, Iberis Sempervirens.....	.15	*Phlox. Hardy Perennial. Finest mixed.....	.15
*Coreopsis, Lanceolata Grandiflora.....	.10	Pinks. *Perennial. Double Fine Mixed.....	.15
Daisy. Double Red, Double White.....	Each .10	*Platycodon (Balloon Flower). Mixed Blue and White.....	.10
“Double Mixed (choice).....	.10	*Poppy, Iceland (Small). Mixed.....	.10
“*Shasta. Large, single, white flowers.....	.10	“Bracteatum. Crimson.....	.10
*Delphinium (Larkspur) *Belladonna.....	.15	“Oriental. Orange scarlet.....	.10
“*Formosum.....	.15	“Large Flowered Mixed.....	.10
“*Choice Hybrids.....	.10	*Pyrethrum Roseum Hybridum. Single.....	.10
Digitalis (Foxglove) Mixed.....	.10	Double.....	.15
*Forget-me-not (Myosotis) Victoria.....	.10	*Stokesia Cyanea (Lavender blue).....	.15
*Gaillardia, Grandiflora.....	.10	*Sweet William. Mixed Double.....	.10
Geum, *Mrs. Bradshaw.....	.15	“Mixed Single.....	.10
“*Lady Stratheden.....	.15	“Double—Pink Beauty.....	.10
Gypsophila, *Paniculata.....	.10	“Dark Crimson.....	.10
*Hibiscus (Mallow) Mixed.....	.10	“Scarlet Beauty.....	.10
		“White.....	.10
		*Wallflower (Cheiranthus). Double Mixed.....	.15



# PETUNIAS

## "Balcony Petunias."

A valuable section remarkable for their great freedom, with flowers 3 inches across, in vivid, solid colors. Particularly adapted to use in vases, hanging baskets or window boxes.

**Blue.** Rich, velvety indigo blue.

**Crimson.** Of startling clearness.

**Rose.** Brilliant attractive rose-pink.

**White.** Conspicuous. Pure, waxy white.

All above varieties, Pkt., 15 cts. each.

**Balcony Mixture.** Not comparable to ordinary mixtures; the extreme size, clear colors and distinctive form emphasizing their superiority; each packet furnishing a multi-colored little garden in itself. Pkt., 15 cts.;  $\frac{1}{16}$  oz., 50 cts.

### SINGLE BEDDING PETUNIAS

**Howard's Star.** Clear purple with distinct white star filling throat, extending to edge of petals. Pkt., 10 cts.

**Rosy Morn.** Compact, bushy growth, fifteen inches in diameter, covered throughout entire season with open-throated flowers  $1\frac{1}{2}$  to 2 inches in diameter. Distinct and glowing, although a soft tone of rose-pink, with silvery white throat. Pkt., 10 cts.

**Striped and Blotched.** Finest Mixed.

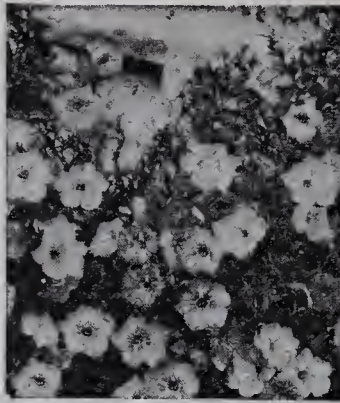
Pkt., 10 cts.;  $\frac{1}{8}$  oz., 25 cts.;  $\frac{1}{4}$  oz., 40 cts.

**Single Fine Mixed.** Pkt., 10 cts.;  $\frac{1}{4}$  oz., 30 cts.

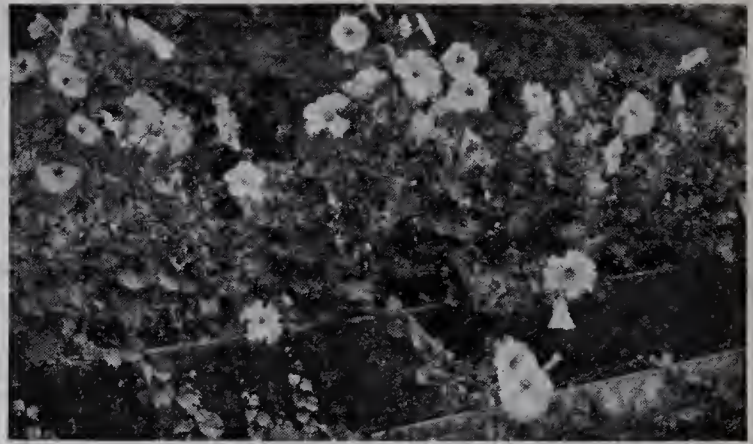
### DWARF UPRIGHT SINGLE BEDDING PETUNIAS

A valuable new type adapted to edging the taller and branching types, or any other of the larger bedding annuals. Mixed.

Pkt., 15 cts.;  $\frac{1}{16}$  oz., 35 cts.



Rosy Morn



Balcony Petunias

### SINGLE LARGE FLOWERING PETUNIAS

**Fringed (Fimbriata).** A strain of beautifully fringed flowers. Colors rich and brilliant. Mixed. Pkt., 15 cts.

**Giant Ruffled.** The flowers of this strain are ruffled and fringed, colors rich and gorgeous, with deep throats of various shades. Fine mixed. Pkt., 25 cts.

**Giants of California.** Choicest mixed seed saved from show flowers. Very large. Mixed. Pkt., 25 cts.

**Elks Purple.** The magnificent "color" of the Elks Order. The single flower of this fine new variety is of giant proportions; gracefully rolling, its five-pointed lobes distinct. The color is solid, of the richest purple shade conceivable, with a velvety black lustre over all. Very free blooming, active and exceptionally noticeable. Pkt., 25 cts.

**Theodosia.** Large-sized fringed flowers of rosy pink with a clearly defined golden center with minute stripes. Pkt., 25 cts.

**Triumph.** Of uniform growth and general superiority as a mass bedder, beautifully ruffled, and conspicuous in its clear, bright pink color. Pkt., 25 cts.

### DOUBLE GIANT FLOWERING PETUNIAS

We consider this one of the finest mixtures of Double Petunias; composed of the best and largest flowered strains grown. While a fair per cent of Double Petunia seed will produce double flowers, some will not. The single ones, however, will be richly colored and finely marked.

**Choice Mixed.** Pkt., 35 cts.; large packet, (500 seeds), \$1.00.

## †PHLOX

SO many wonderful improvements have developed among the hardy perennial Phlox, people are forgetting the annual types. This is a mistake; for nowhere among perennial beds can that same density of bloom and vividness of color be found as is shown by the annual Phloxes.

**Drummond's Grandiflora.** Hardy annuals; 1 foot. For a splendid mass of color and constant display, this type is not excelled by any other annual. Blooms early, continuing until severe freezing. The seed may be planted in the open ground May 1st or in hot-bed or house earlier, and afterwards transplanted to where wanted into rich ground, 8 to 10 inches apart each way.

**Grandiflora Choice Mixed.** A choice mixture of all colors in the type. Pkt., 10 cts.;  $\frac{1}{8}$  oz., 25 cts.;  $\frac{1}{4}$  oz., 40 cts.; oz., \$1.00.

**Drummond's Nana (Dwarf).** Grows about 6 inches high, splendid for pot culture or for ribbon lines and for massing. **Choice Mixed.** Pkt., 10 cts.;  $\frac{1}{8}$  oz., 35 cts.

**Starred and Fringed.** The most interesting of the Phlox family, bearing pretty star-shaped and fringed flowers, rich in colors. **Choice Mixed.** Pkt., 10 cts.;  $\frac{1}{8}$  oz., 25 cts.

### \*HARDY PERENNIAL

Perennial Phlox are among the show features of our nurseries. Seed is saved from this magnificent collection of all new, standard sorts of every color and description. **Finest Mixed.** Unsurpassed in quality. Pkt., 15 cts.



Annual Phlox



## † PINKS [Dianthus]

Few other plants produce more flowers or cover a longer blooming period. Height averages 1 foot, making them available for edgings. Actually biennials, and will survive the winter if it is not too severe.

### DOUBLE ANNUAL PINKS

**Snow Queen (Double White Japan).** One of the prettiest of white cut flowers, and very useful as a white border. Pkt., 10 cts.

**Double Choice Mixed.** Mixture of all double annual varieties. Pkt., 10 cts.; ¼ oz., 30 cts.

**Sweet Wivelsfield.** Hardy annual. This is an outstanding English novelty of easy culture. It is the result of a cross of the *Dianthus Allwoodi* on the *Dianthus Barbatus*. The growth is not unlike the Sweet William but the flowers are larger and it has a much wider range of color, displaying the brilliant coloring and dainty markings of the Heddewigi strain, which was one of its ancestors. Some of the flowers have a honey perfume. Blooms the first year from seed. Secured a Reward of Merit at Wisley. Pkt., 15 cts.

### PERENNIAL PINKS

**Double Fine Mixed.** Hardy perennial sweet scented garden Pinks of delightful pattern and varied coloring. Pkt., 15 cts.

### \*PLATYCODON [Balloon Flower]

The unopened buds resemble miniature balloons opening up as deep throated, 1½ to 2 inch bells. Hardy perennials, 2 to 3 feet; prolific and long season of bloom. Seed sown in early spring will bloom in August.

**Mixed Colors.** (Blue, white.) Pkt., 10 cts.

## POPPY

Poppies are among the most interesting of the garden flowers with vivid colors and fern-like foliage. Annuals should be sown as early in spring as possible, in the location where they are to remain, as they do not transplant successfully. Seed should be just barely covered, although firmly pressed down. Thin out to 3 or 4 inches between plants; and take time to remove old flower stems.

### † ANNUAL POPPIES

**Carnation Flowered.** Brilliant, many petaled, finely fringed flowers of mixed colors.

**Mixed Double Annual Poppies.** All kinds together.

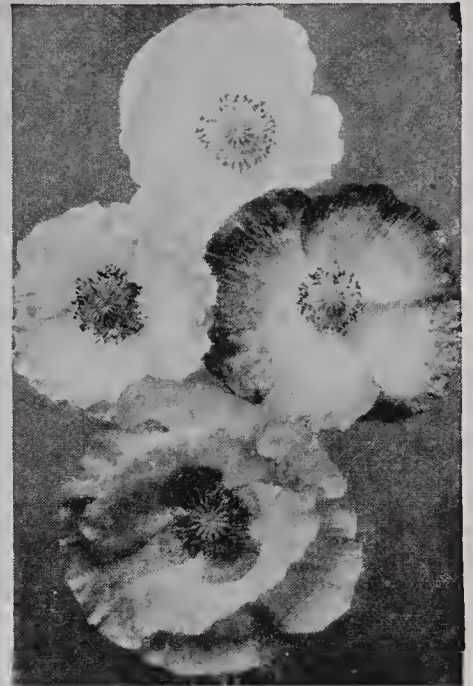
**Shirley Poppies** This type is perhaps the most beautiful of all; one sowing keeping the bed alight all summer.

Although they are mostly single, many come semi-double, or with fluted margins. The colors range from white, through various shades of pink, to scarlet and deepest crimson. **Mixed.**

**All Annual Poppies.** Each—Pkt., 10 cts.; ¼ oz., 25 cts.



Double Carnation Flowered Poppy



Shirley Poppies

### \*PERENNIAL POPPIES

**LARGE FLOWERED.** These average 6 inches across and are imposing in spring, with their fiery bloom, on nodding stems 3 to 4 feet high. They do not bloom the first year from seed.

\***Bracteatum.** Crimson, black spots in center.

\***Oriental** (Oriental Poppy). Orange scarlet.

\***Large Flowered Mixed.**

**SMALL FLOWERED:**

\***Iceland.** (*Papaver Nudicaule*). Single, cup-shaped flowers 2 to 3 inches in diameter with ruffled petals; yellow, orange and white. Sown early in spring will bloom in June and continue until cold weather if not allowed to bear seed. **Mixed.**

**All above 4 Perennial varieties.** Each—Pkt., 10 cts.

### PORTULACA ["Moss Rose"]

Trailing plants which love the sun, and nestle close to the warm, sandy loam of their choice. The numerous round, flat flowers set close, and brilliantly illumine the emerald of the foliage with vivid shades of red, yellow, pink and white. Half-hardy annual.

**Double Mixed.** Pkt., 10 cts.; ⅛ oz., 35 cts.

**Single Mixed.** Pkt., 10 cts.; ¼ oz., 25 cts.

### PRIMROSE [Primula]

**Obconica Grandiflora Hybrida.** For pot culture, also for the open border during summer. If sown early in spring, the seedlings will commence to bloom in May or June and continue throughout the year. **Mixed Colors.** Pkt., 25 cts.

**Chinese Fringed.** One of the finest plants for winter and spring, blooming in the house or conservatory; they do well in a cool room, in a north window where most other plants fail. Greenhouse perennials. **Mixed Colors.** Pkt., 25 cts.

### † PYRETHRUM

\***Roseum Hybridum** (Painted Daisy). Showy hardy perennials, blooming the first season if sown early. 2 to 3 inch daisy-like, single, anemone, globular double flowers in white, rose, crimson and scarlet colors. The foliage is fine-cut and ferny. 2 ft.

†**Double Mixed.** Pkt., 15 cts.

†**Single Mixed.** Pkt., 10 cts.

**Aureum** (Golden Feather). A conspicuous, beautiful 6-inch edging plant, the dense and feathery foliage a bright golden yellow. Most successfully treated as an annual.

Pkt., 10 cts.; ⅛ oz., 30 cts.

### RICINUS [Castor Oil Plant]

Tender annual. Singly, it makes a perfect pyramid, thickly set with its enormous beautifully lobed leaves; or, a large group of them gives a fine tropical effect. Sow in open ground or in hot bed and transplant.

**Sanguineus.** Tall, with reddish stalks. Large ornamental reddish-purple leaves.

Pkt., 10 cts.; oz., 25 cts.

**Zanzibarensis.** Robust strong grower, foliage green and red. **Mixed.** Pkt., 10 cts.; oz., 25 cts.



Double Portulaca



Pyrethrum Roseum Hybridum

Would you like a self-sustaining color riot? Broadcast Shirley Poppy and Annual Larkspur together.



†**SALPIGLOSSIS**

Half-hardy annual; 2 feet. Of sensational recent popularity, subject of much discussion and competitive rivalry among gardeners. The flowers are open bell-shape, numerous and gracefully set on the stems, varying by culture from 2 to 4 inches across. The colors are rich and voluptuous with metallic lustre, marbled and penciled on, many flowers having the appearance of being sprinkled with gold dust. Bloom from August to October, on long stems, making an ideal cutflower. Very easily grown.

**Emperor Choice Mixed.** Pkt., 10 cts.;  $\frac{1}{8}$  oz., 30 cts.



Salpiglossis

**SALVIA [Scarlet Sage]**

This very popular plant is a tender perennial, but should be treated as an annual. Its beautiful flaming spikes of blossoms will add more to a border than any other plant, and where a brilliant scarlet is wanted it is unsurpassed.

**America.** Because of its uniform growth coupled with profuse and continuous bloom, this comparatively new variety is particularly valuable for extensive bedding or formal lines. Pkt., 15 cts.

**Clara Bedman.** (Bonfire.) It grows about 2 feet high and as many broad, and very compact. Its long spikes of fiery scarlet flowers stand up stiff and erect well above the foliage. Pkt., 10 cts.

**Splendens.** One of the most gorgeous of annuals, blooming readily throughout the summer and fall. The plants grow from  $1\frac{1}{2}$  to 3 feet in height, inclined to branch freely towards the top, are completely covered with showy sprays of bright scarlet flowers until cut down by frosts.

Pkt., 10 cts.;  $\frac{1}{8}$  oz., 35 cts.;  $\frac{1}{4}$  oz., 65 cts.

**Zurich.** A dwarf variety, but with long full spikes of rich scarlet flowers. It is free blooming, commencing early and continuing with unabated brilliancy until late in the season. Pkt., 10 cts.

†**SCABIOSA [Mourning Bride]**

Handsome summer border plant producing its splendid flowers in greatest profusion from July until severe autumn frosts. Flowers are of compact rounded shape, long stems, making them ideal cutflowers which keep in water a week. The colors are both strong and dainty, equally enjoyable and effective in bouquets or the garden. Hardy annual; 2 to  $2\frac{1}{2}$  feet.

**Double Mixed.** Pkt., 10 cts.;  $\frac{1}{8}$  oz., 25 cts.

**Peach Blossom.** A beautiful shade of peach blossom pink, large size and long stems. An excellent cut flower. Pkt., 15 cts.



Salvia Splendens

†**SCHIZANTHUS [Butterfly Flower]**

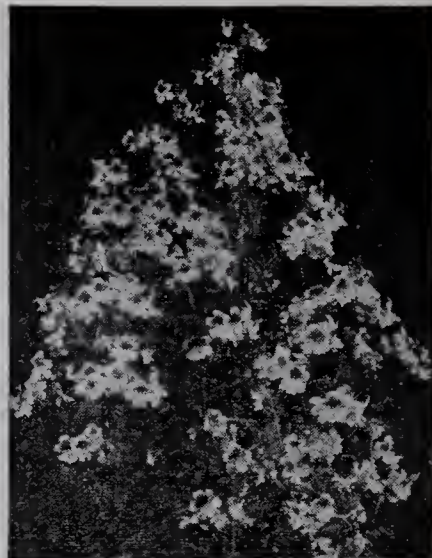
Annuals, producing in a few weeks from seed a plant of obscuring wealth of beautiful flowers of many colors, spotted, blotched and veined.

**Hybridus Grandiflora.** Choice mixed. Pkt., 10 cts.

**Wisetonensis.** One of the finest large-flowered sorts, colors ranging from pink with brown center to white with yellow center. Excellent for pot plants. Pkt., 15 cts.



Scabiosas



Schizanthus or Butterfly Flower

†**STEVIA**

**Serrata.** Free-blooming, 2-foot plants, bearing a multitude of pure white flowers bunched together in compact heads, pleasantly fragrant. At its best in the fall season, but may be gauged to produce most any time. A charming cut flower from the garden or may be carried as a blooming pot plant for winter. Pkt., 10 cts.

\***STOKESIA [Stokes Aster]**

A splendid perennial for garden culture, in beds or borders. Blooms first year from seed.  $1\frac{1}{2}$  to 2 feet.

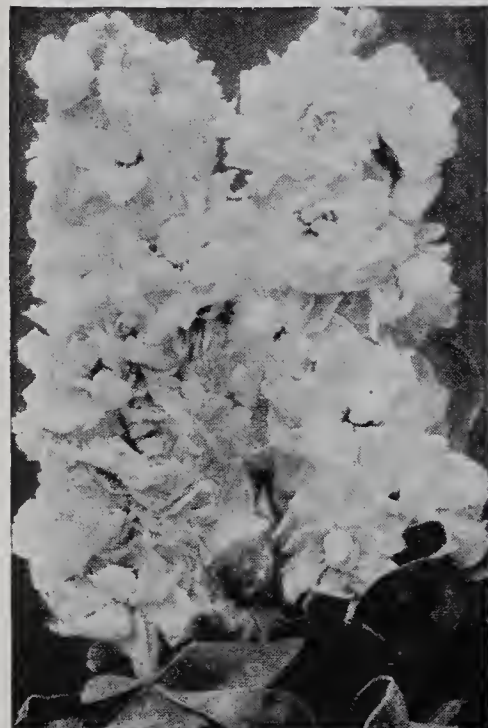
**Cyanea.** Showy deep lavender blue, aster-like flowers, in broad clustered heads from June on. Pkt., 15 cts.

**STOCKS**

The "Gilly-flower" is a half-hardy annual. The flowers in close-set, thick panicles on both main stems and side branches.

**Double Giant Perfection All Colors. Choice Mixed.** Pkt., 10 cts.

**"Cut-and-Come-Again"** An "ever-bloom-ing" strain blooming in July from seed sown in March or April. Although earlier to start, their most perfect state is reached in September-October. **Mixed.** Pkt., 10 cts.



Stocks



New Red Sunflower





## † SWEET PEAS

**CULTURE.** Locate planting where there will be uninterrupted sunlight, in as good soil as possible, thoroughly mixed with well rotted cow manure. Seed should be sown before the first of April if weather will permit, about 6 inches down in the trench, and covered with an inch of firmly pressed soil. Thin out to 2 to 4 inches apart and a little soil may be drawn in to give greater depth to the roots. Vining support in the form of brush, chicken wire or taut strings should be supplied at the time of sowing. Water sufficiently, pick often to ensure continuance.

The ordinary packet is too small to make much of a showing, so the minimum quantity offered by us is the half-ounce.

### EARLY FLOWERING SPENCER SWEET PEAS

In bloom two to three weeks earlier than the summer Spencers, flowering throughout.

**“Early Sunrise” Mixture.** This is a wonderful blend of the named Early Flowering Spencers, displaying a wide range of colors and shades. Pkt. containing ½ oz., 20 cts.; oz., 35 cts.; 2 ozs., 65 cts.; ¼ lb., \$1.00; lb., \$3.00.

### SUMMER FLOWERING SPENCER SWEET PEAS

The “Spencer” type of Sweet Peas, by its greatly increased size, its distinctive frills and waviness, and its general improvement in color depths and patterns, has practically usurped the field, so we offer that strain only. Our sales audits show that very few people care for names or separate colors in Sweet Peas, consequently we are offering them this year in mixture only.

**Summer Flowering Spencer Mixed.** A great many varieties and colors grown as a high-grade mixture; conceded to be the best result-getter of any standard Sweet Pea mixture on the market. Pkt. containing ½ oz., 10 cts.; oz., 15 cts.; 2 oz., 25 cts.; ¼ lb., 45 cts.; lb., \$1.35.

## † SUNFLOWER [Helianthus]

**“Cut-and-Come-Again.”** (The Ever-Blooming Type.) The single flowers, 3 to 4 inches across are borne on long stems admirably adapted for vases. Choice colors in mixture. Pkt., 10 cts.; ¼ oz., 25 cts.

**Double Chrysanthemum Flowered.** Grows about 6 feet high and blooms profusely. The perfectly double flowers are bright yellow, from 3 to 6 inches in diameter. Pkt., 10 cts.; ¼ oz., 25 cts.

**Large Russian.** A very tall growing double variety; 10 to 15 feet. The seed is used for poultry. Price, 1 oz., 10 cts.; ¼ lb., 15 cts.; lb., 30 cts. 10 lbs. or more, by express, not prepaid, at 15 cts. per lb.

**Purpureus.** (New Red Sunflower.) The flowers come in various shades of red, and red margined with yellow, ranging from 2 to 5 inches in diameter. Plants grow branchily 3 to 4 feet high, and bloom freely. Pkt., 10 cts.; ¼ oz., 25 cts.

## † SWEET WILLIAM

**\*PERENNIAL (Dianthus Barbatus).** Popular garden flower, showing a wonderful array of vivid colors in fancy patterns. Flowers are shaped, clustered and colored much like Phlox; the markings, however, being more sharply defined. Perfectly hardy, but sow the seed in ultimate location, or transplant when young; as matured plants move awkwardly.

**Pink Beauty; Scarlet Beauty; Dark Crimson; Double White.** Each—Pkt., 10 cts. **Mixed Double.** Pkt., 10 cts.

**ANNUAL.** Almost identical with the perennial varieties in form of flower, rich and dainty coloring and fragrance, but unlike the perennials which do not bloom until the following year, these are annuals, blooming the same year the seed is sown.

**Choice Mixed.** Pkt., 10 cts.; ¼ oz., 25 cts.

## TORENIA

**Fournieri (Wishbone Flower).** Globular, 10-inch plants literally covered with lovely flowers like snapdragons; sky-blue, with a touch of gold on the lip. Excellent for beds, pots or hanging baskets. Pkt., 15 cts.

### S & H “Sunset Mixture” of Summer Flowering Spencer Sweet Peas

As our “Sunrise Mixture” of the early flowering Spencers contains the range of coloring found at dawn in the sky of many climes, so this “Sunset Mixture” of the summer flowering group exemplifies the close of day. It is exactly apportioned in the mixing from really choice named varieties. We have concluded that our customers generally care little for names, but want distinct colors and would mix them up anyway in planting. Here then is this companion mixture which we offer with confidence in its ability to satisfy. Pkt. Containing ½ oz., 15 cts.; 1 oz., 25 cts.; 2 oz., 40 cts.; ¼ lb., 60 cts.; lb., \$1.50.



Annual Sweet William

**Bargains—Page 4-7**

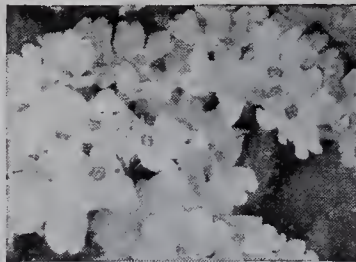
**Don't Forget That Sweet Pea Seed Must Be Sown Very Early. Order Now so as to be Prepared for Early Planting Weather.**



**VERBENA Mammoth Flowered**

A showy annual creeper, literally covered with large umbels of brilliant blossoms. For early blooms sow in boxes and transplant into rich soil 15 inches apart. May be sown in April in the open, and thinned.

**Mixed.** Pkt., 10 cts.;  $\frac{1}{8}$  oz., 20 cts.;  $\frac{1}{4}$  oz., 35 cts.



verbena

**WALL FLOWER (Cheiranthus)**

Deliciously fragrant flowers in long, full spikes which are very free and pretty during the spring. They combine many shades of color; orange, purple and chocolate predominating. Tender, requiring winter protection in the north;  $1\frac{1}{2}$  feet.

**\*Double Mixed.** (Perennial.) Pkt., 15 cts.

**Annual Mixed.** Blooms first year. Pkt., 10 cts.

**†ZINNIAS**

Few flowers are so easily grown from seed sown in the open ground or bloom so abundantly and continuously as this hardy annual. Marvelous improvements have been wrought in the newer strains. We recommend them for groups, beds, borders and summer hedges, where they will bloom quite freely, but are incomparably bright during the month of August. Sow seed in the open ground early in spring or start in hotbed or window and transplant when ground is suitably warmed.

**New Double DAHLIA - FLOWERED Zinnias**

This mammoth sized, unusual shaped and color perfected type has revolutionized the appearance of our annual gardens during the past few years. They very closely resemble the double decorative type Dahlias in form and in their robust growth. Plants get up to 3 feet in height, with perfect flowers often 6 inches wide by 3 and 4 inches in depth. These range widely as to color, even introducing depths and tones heretofore unknown in Zinnias.

**Buttercup.** An immense deep creamy yellow.

**Crimson Monarch.** Immense flowers often 8 inches wide; the largest and richest.

**Dream.** A beautiful not common shade; deep lavender turning to mallow purple.

**Golden State.** Bright yellow in the bud, deepening with maturity to rich orange.

**Exquisite.** Perhaps the most pleasing of our collection; color light rose with center a deep Tyrian rose.

**Illumination.** A striking self color of deep rose (Tyrian Rose).

**Lemon Beauty.** Large size and fine form, a golden yellow on brown.

**Meteor.** A rich, glowing deep red (Spinel Red), the darkest of all the red shades. Fine form, with good depth of petal.

**Old Rose.** Fitly named for its color; a large and perfect flower.

**Orlolo.** A superb, warm suffusion of orange and gold.

**Purple Prince.** A fine, deep Rhodanthé purple, large and well-formed.

**Scarlet Flame.** Vividly descriptive.

**PRICE:** All 12 varieties above.

**Double Dahlia Flowered Mixed.** Pkt., 15 cts.;  $\frac{1}{8}$  oz., 30 cts.;  $\frac{1}{4}$  oz., 50 cts.; oz., \$1.50.



Dahlia  
Flowered  
Zinnia



Zebra and Giant Scarlet Zinnias

**GIANT DOUBLE FLOWERED ZINNIAS**

These are truly Giant, not to be confused with the common or small flowered strains.

**Giant Double Flowered Mixed.** Pkt., 10 cts.;  $\frac{1}{8}$  oz., 20 cts.;  $\frac{1}{4}$  oz., 35 cts.; oz., \$1.00.

**NEW GIANT PICOTEE ZINNIAS**

The beautiful flowers are of a Giant type, each petal distinctly tipped with a darker shade as in Picotee Carnations. They come in a variety of colors, including orange, flesh, lemon, pink and cerise, each with the peculiar marking on tips of petals. We cannot supply separate colors.

**Mixed.** Pkt., 10 cts.;  $\frac{1}{8}$  oz., 25 cts.

**NEW DOUBLE HAAGEANA**

Growth about 16 inches. Abundant double flowers size of a large Daisy, ranging through many bright colors and combinations, such as distinguish the Marigold, Gaillardia and Chrysanthemum. **Mixed.** Pkt., 10 cts.;  $\frac{1}{8}$  oz., 25 cts.

**CURLED & CRESTED MIXED**

The flowers are large, full and double, the petals being twisted, rendering them free from stiffness. A variety of splendid colors. Pkt., 10 cts.;  $\frac{1}{8}$  oz., 25 cts.

**DOUBLE POMPON MIXED**

Flowers, small, double and of beautiful form; fine for bouquets. Pkt., 10 cts.;  $\frac{1}{8}$  oz., 25 cts.

**Red Riding Hood.** Grows but a foot high. Has compact form and the flowers are small, very double, bright crimson. Makes an effective border. Pkt., 10 cts.;  $\frac{1}{8}$  oz., 25 cts.

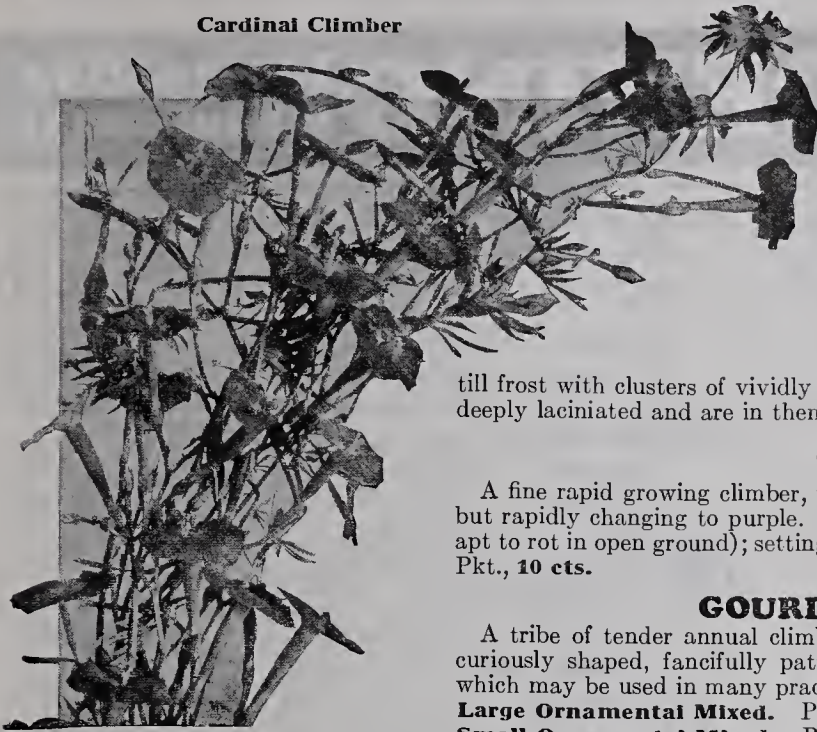
**ZEBRA MIXED**

All colors, striped and spotted with different shades. Pkt., 10 cts.;  $\frac{1}{8}$  oz., 25 cts.

**BLACK KNIGHT**

Medium size double flower of deep maroon. Pkt., 10 cts.;  $\frac{1}{8}$  oz., 25 cts.



**Cardinal Climber****CLIMBING FLOWERS****BALLOON VINE ["Love-in-a-Puff"]**

A rapid growing annual climber; bears small white flowers followed by inflated seed-pods resembling balloons. Pkt., 10 cts

**CANARY BIRD FLOWER**

A rapid growing summer climber, with finely cut foliage and yellow flowers. Tender annual. Pkt., 10 cts.

**CARDINAL CLIMBER [Ipomea Sloteri]**

A splendid climber that has created a sensation wherever grown. It reaches a height of 20 to 30 feet and is covered from midsummer till frost with clusters of vividly red, 1½ inch flowers, shaped like the Morning Glory. Leaves are deeply lacinated and are in themselves very decorative. Pkt., 15 cts.; 2 pkts., 25 cts.

**COBEA SCANDENS**

A fine rapid growing climber, with handsome foliage and large bell-shaped flowers; green at first but rapidly changing to purple. Seeds should be started in hot-bed or rather dry soil (as they are apt to rot in open ground); setting them edgewise and just barely covering. Tender annual. 20 feet. Pkt., 10 cts.

**GOURDS**

A tribe of tender annual climbers (10 to 20 feet) with curiously shaped, fancifully patterned, hard shell fruits, which may be used in many practical ways.

**Large Ornamental Mixed.** Pkt., 10 cts.

**Small Ornamental Mixed.** Pkt., 10 cts.

**HYACINTH BEAN [Dolichos]**

A rapid growing annual climber, making about 10 feet. They bloom freely in large, upright racemes of pea-like flowers, either white or purple; followed by ornamental purple seed pods. Sow seed in April or May. **Mixed.** Pkt., 10 cts.; ½ oz., 20 cts.; oz., 35 cts.

**IPOMEA**

Tender annual climbers of rapid growth.

**Grandiflora.** (Moonflower.) Grows 25 to 30 feet. At night the plants are covered with solitary 4 to 5 inch, round pure white, fragrant flowers. Pkt., 10 cts.; ½ oz., 30 cts.

**Heavenly Blue.** Flowers 4 to 5 inches across, in large clusters, a beautiful sky-blue against richly green, large foliage. Pkt., 10 cts.

**Quamoclit.** (Cypress Vine.) A tender annual, 15-foot climber, with delicate dark green feathery foliage and abundance of bright, star-shaped rose, scarlet or white blossoms. **Mixed.** Pkt., 10 cts.

**Setosa.** (Brazilian Morning Glory.) Extremely rapid growth producing dense shade; delightful 3 to 4 inch rose colored flowers. Pkt., 10 cts.

**MORNING GLORIES [Convolvulus]**

Annual vines, their morning glory bloom unmatched for daintiness and refreshment, by any flower that heralds the dawn of day.

**Mixed Colors.** The old fashioned Morning Glory, of rapid climbing growth and profuse bloom. Pkt., 10 cts.; oz., 20 cts.

**Japanese Giant.** A class of climbers making growth of 20 to 30 feet quite early in the season. Their large flowers are striped, spotted and margined in all shades from white to deepest red, blue and purple. Many are fluted and fringed. Sow the seeds early in a warm sunny place. Choice mixed. Pkt., 10 cts.; ½ oz., 20 cts.; oz., 35 cts.

**Large Flowering Rochester.** Vines strong, growing 12 to 20 feet high, with magnificent foliage. Flowers 4 to 5 inches across, deep violet blue in the throat, graduating out to an azure blue, bordered with a white band around the edge. Pkt., 10 cts.; ½ oz., 20 cts.; oz., 35 cts.

**NASTURTIIUMS**

**Tall Mixed.** This is one of the most complete mixtures of Climbing Nasturtiums on the market; it includes, besides the various colors in this class, the popular strains of Mad. Guenther, Hybrids, Lobbs and Chamcleon. Pkt., 10 cts.; oz., 15 cts.; 2 ozs., 25 cts.; ¼ lb., 45 cts.; lb., \$1.25.

**Lobb's Climbing Nasturtiums.** This is a choice selection of superior strains among the tall or climbing Nasturtiums, expressing the best in foliage and growth; with flowers a little more profuse, and running strong to rich red shades. Pkt., 10 cts.; oz., 15 cts.; 2 ozs., 25 cts.; ¼ lb., 45 cts.

**Dwarf Nasturtiums.** This valuable garden type is listed on page 86.

**THUNBERGIA**

Beautiful rapid growing rather shrubby climbers, with a plentiful supply of trumpet shaped flowers in various colors and markings; fine for vases, rustic work or greenhouse culture. Half-hardy annuals; 5 feet. **Fine Mixed.** Pkt., 10 cts.

**Morning Glory****Climbing NASTURTIIUMS**

**For Quick Covering of Unsightly Objects, Use Annual Climbers. Some Kinds Will Reseed for Next Year.**



# Miscellaneous Important **GARDENING** Instruction & Equipment

## BOOKS

**ON ALL GARDENING SUBJECTS. A more complete list mailed on application. Prices Are All Postpaid.**

**Adventures in Dish Gardening**  
Patton Beard

**Birds of the Wild**  
Frank C. Pellett

**All About Flowering Bulbs**  
T. A. Weston

**The Principles of Flower Arrangement**

**Garden Guide**

**Landscaping the Home Grounds**  
L. W. Ramsey

**Lawns**  
F. F. Rockwell

220 pages. Illustrated with four 4-color plates and 65 full page halftones. Freshly original in style and conception. An illuminating, thrilling, exposition of a fascinating new subject. **\$2.65**

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**Rock Garden Primer**  
Archie Thornton

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F. F. Rockwell

**How to Grow Roses**  
Pyle-McFarland-Stevens

**1001 GARDEN QUESTIONS ANSWERED**  
Prof. A. C. Hottes

**The Book of Perennials**  
Prof. A. C. Hottes

**The Book of Shrubs**  
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Everybody is interested in this subject but is ignorant and fears to start. This book explains the essentials and will get you started. 112 pages, 59 pictures. **\$1.65**

Do you think of starting a Wayside Market Stand? Save yourself money and disappointment by first studying this fine book. 132 pages, illustrated. **\$1.65**

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**HERE IT IS!**

**Just what you have been looking for!**

A soft—pliable—ALL-LEATHER—dirt proof glove for both MEN and WOMEN—specially adapted for general home use such as—

GARDEN,  
GARAGE,  
FURNACE,  
DRIVING,  
MOWING THE LAWN,  
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ETC.

**Soft as Kid**

The unusual quality of extreme softness and pliability in this all-leather glove is the result of a special processing of a select imported leather.

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**ORDER BY SIZE:**

Women's Small or Medium Men's Large or Medium

at this unheard-of Low Price

ONE PAIR **75c** OR TWO PAIRS **\$1.40**

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**PROTECT your HANDS**

## SPRAY PUMPS BROWN'S AUTO-SPRAY PUMPS

A simple, powerful, effective spray pump for liquids, easily carried and operated. Unlike other types, its spraying action is continuous; thereby doubling the speed and effect with no greater effort. Filling and cleaning are extremely simple. Two nozzles are supplied, one for straight away, and one for angular spraying. AUTO-SPRAY No. 26-A. All tin, 1 quart. .... postpaid, **\$1.25** AUTO-SPRAY No. 26-B. Tin pump, brass tank, one quart capacity ..... postpaid, **1.50**

## THE "FAULTLESS" SPRAYER NO. 1

This is absolutely the best small, simple mist sprayer for general use against insects, on the market. Made of tin, substantially jointed and reinforced; greatest durability and spraying force in its class. Adapted for throwing either liquids or dry powder. **75 cents by express, or \$1.00 postpaid.**

## MYERS BUCKET PUMPS

Constructed entirely of brass, with malleable iron foot rest. Will throw a solid stream 50 feet; valuable for spraying trees, washing windows or buggies, extinguishing fires, sprinkling lawns or flowers, etc. One superior feature is the extra jet for keeping the spray material mixed and agitated.

### LITTLE GIANT. (No. 327½)

Special feature is the arrangement of air-chamber and cylinder side by side which makes the down stroke do all the work; thus relieving any upward pull on the bucket. Spray is continuous regardless of plunger action. Price: The pump with agitator complete with hose and combination fine, coarse-spray and solid stream nozzle. .... **\$3.75**

COG GEAR. (No. R-324) 1½-inch brass cylinder and patent cog-gear handle makes easy work and extra capacity. Price: The pump with agitator, complete with detachable hose and graduating fine, sprinkling and solid stream nozzle. .... **\$5.75**



Myers Little Giant Pump



Myers Cog Gear Bucket Pump

## MYERS 8 FOOT PIPE EXTENSION

For use on the two Myers pumps listed—each. .... **\$1.25**

Successful Gardening demands more than Good Seed and Labor. The best ways must be learned from Books.



# FERTILIZERS FOR LAWN AND GARDEN

We Submit These Standard Kinds



## VIGORO

*Specially prepared plant food*

Feed your **vegetables**. Like all living things they will grow better and faster if given the proper food.

**Lawns and flowers** respond quickly to a balanced plant food—grass of deep velvety green, flowers of rich color that bloom longer.

Vigoro, the complete plant food, meets these demands. **Odorless** and easy to apply, it furnishes to plant life all of the different elements necessary for normal, healthy growth.

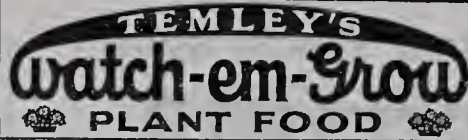
Vigoro should be used at the rate of four pounds per 100 square feet (10 ft. x 10 ft.) in the spring and fall. Use one-half this amount for summer feeding.

It is **inexpensive**, too; only 10c to 20c for each hundred square feet. Complete directions in every bag.

### PRICES

Freight or Express  
Not Prepaid

100-lb. Bag . . \$5.00  
50-lb. Bag . . 3.00  
25-lb. Bag . . 1.75



A wonderfully quick-acting, perfectly compounded Plant Food giving us one of the best balanced fertilizers possible to secure.

**Use it on your house plants**, as follows: Dissolve a teaspoonful in a cup of hot water, afterwards pouring this into one gallon of cool water. Water your plants with this mixture. For a six-inch pot plant, use a pint of mixture once each week until you note improvement; then once in two weeks, and occasionally thereafter.

**In repotting plants**, use a teaspoonful dry, thoroughly mixed throughout four quarts of potting soil. **In the garden**, it may be used in the same way as recommended for pot plants.



8 oz. can, 50 cts.  
(Trial pkg. 10c)

### GUARANTEED ANALYSIS

Ammonia, soluble in water . . . . .	19%
Available Phosphoric Acid . . . . .	10%
Potash, soluble in water . . . . .	14%

Total, in perfect balance . . . . . 43%

Trial package, 10 cts. Large, 8 oz. can, **50c**



## ARMOUR'S LAWN AND GARDEN GROWER

A properly balanced, concentrated plant food mixture blended from those chemical fertilizer ingredients best suited for the growing of grass and gardens. It contains more pounds of highest grade plant food than is generally used in lawn and garden fertilizer, having at least 16 times as much plant food as ordinary farm manure. **Free from Weed Seeds.**

**Has no bad odor!** Definite instructions are plainly printed on every bag.

### PRICES

Freight or Express  
Not Prepaid

100-lb. Bag . . . . . \$5.00  
50-lb. Bag . . . . . 3.00  
25-lb. Bag . . . . . 1.75

## THESE TWO AGENTS CREATE ACID SOIL

### Sulphate of Ammonia

**Arcadian Brand.** A nitrogenous plant stimulant, very quick in action, tending to make soil acid. Increases leaf-growth. Much used on lawns, which it not only feeds, but weeds are discouraged; when top-dressing lawns apply 1 ounce per square yard or 350 pounds to the acre, but first mix with several times its bulk of soil or sand. Between rows of spinach, lettuce, cabbage, etc., 3 pounds to 100 running feet may be broadcast and hoed in. As a liquid stimulant dissolve 1 ounce in a gallon of water and apply to the roots of plants. By mail postpaid, 5 lbs., 90 cts.; 10 lbs., \$1.50. By express or freight, not prepaid: 5 lbs., 65 cts.; 10 lbs., \$1.00; 25 lbs., \$2.00; 50 lbs., \$3.50; 100 lbs., \$6.00.

### Aluminum Sulphate

In quick preparation of an acid soil for **Rhododendrons and other Broad-leaf Evergreen Shrubs**, the most efficient and readily available chemical agent is commercial alum or "Aluminum Sulphate." The amount required to overcome the existent alkaline or limey soil condition, varies; but is roughly  $\frac{1}{2}$  to 1 pound per square yard, scattered over the surface. Repeat every six months. If the only available water for sprinkling is too hard and alkaline, barrel it and treat with this chemical. 5 lbs., 50 cts.; 10 lbs., 90 cts.; 25 lbs., \$1.75; 50 lbs., \$3.00; 100 lbs., \$5.00. The first two sizes can be mailed—add 25 cts. for 5 lbs.; add 50 cts. for 10 lbs.

## THESE SAVE MOISTURE

### Peat Moss

**Mixed** into heavy clay, Peat Moss keeps the soil porous so that moisture can circulate freely during the hot spells when clay bakes hard. In sandy soils, Peat Moss captures and retains the moisture which would otherwise too quickly run away. As a thin **mulch** over any planted surface, it keeps down weeds, attracts moisture from above, and protects under-moisture from evaporation.

**HOLLAND IMPORTED.** A splendid fine grained type for preserving moisture. Spread thinly on the lawn or on the surface of plant pots. Bags of 190 to 200 lbs., \$3.75 each; 10 bags for \$35.00.

**MICHIGAN PEAT.** Not only a conservative, but also adds a fertilizing humus to the soil and keeps it porous.

Bags of 100 lbs., \$2.75 each; 10 for \$25.00.

## SHEEP MANURE—THE EFFICIENT FERTILIZER



Pulverized Sheep Manure is an efficient fertilizer to use on lawns, in the garden, the perennial border, shrubbery beds, small fruit garden, flower beds, etc. It is safe and dependable. A natural plant food and not a chemical stimulant. Every amateur gardener can get results with Wizard.

**Price: By express or freight only—not prepaid:**  
5 lbs., 40 cts.; 10 lbs., 60 cts.; 25 lbs., \$1.00; 50 lbs., \$1.75;  
100 lbs., \$3.25. Cannot be sent by mail.



**Proper Nourishment Is the Secret of Garden Success**



## A Way to Increase Your Crops

### INOCULATE! Clover and Farm Seed



Restores and Maintains Soil Fertility  
The Original Soil Inoculator

#### List of Culture Groups

- Culture "A"—Alfalfa, all Sweet Clovers, including Hubam and Bur Clover.  
Culture "B"—Clovers, Red Clover, Mammoth Red Clover, Alsike, Crimson and White Clover.  
Culture "C"—Field and Garden Peas, Vetches, (Hairy, Spring, Wild) Broad Bean, Sweet Peas, Perennial Peas, and Lentils.  
Culture "D"—Field and Garden Beans, (including Navy, Kidney, and Scarlet Runner Beans).  
Culture "E"—Cow Peas, Lima Beans, Velvet Beans, Partridge Peas, Japan Clover, and Peanuts.  
Culture "S"—Soy Beans (all types).

**Important:** When ordering always name the seed you wish to inoculate.

#### Prices: Culture A and Culture B:

- 1/4 bu. size—inoculates 15 lbs. of seed.  
40 cts., postpaid. (Shipping weight 4 ounces.)  
1/2 bu. size—inoculates 30 lbs. of seed.  
60 cts., postpaid. (Shipping weight 6 ounces.)  
1 bu. size—inoculates 60 lbs. of seed.  
\$1.00, postpaid. (Shipping weight, 10 ounces.)  
5 bu. size—inoculates 300 lbs. of seed.  
\$4.75, postpaid. (Shipping weight 3 pounds.)

#### Prices: Culture C and Culture D:

- 1/2 bu. size—40 cts. 1 bu. size—60 cts.

#### Prices: Culture E and Culture S:

- 1 bu. size—inoculates 60 lbs. of seed—40 cts. postpaid.  
2 bu. size—inoculates 120 lbs. of seed—70 cts. postpaid.  
5 bu. size—inoculates 300 lbs. of seed—\$1.50 postpaid.

Save money—buy the five bushel size Nitragin package and inoculate Soy Beans and Cow Peas at the low cost of 30 cts. a bushel.

#### Nitragin for the Garden

For Garden Peas, Sweet Peas, Beans, and Lima Beans (3 in one).

Inoculates from one ounce package up to 8 pounds of seed. Insures better quality, larger crops and faster growth.

All Nitragin is guaranteed for one year; every package stamped with expiration date.

Always state kind of seed you wish to inoculate, in your order.

Garden  
Size  
Package  
Postpaid

25¢

## SPRAY YOUR PLANTS EARLY AND OFTEN

**Insect Pests.** There are two classes of bugs and insects that may attack trees and plants. The first class eats the plant tissue and are best controlled by poisons which they take into their stomachs.

The second class is not as easy to control since they can be killed only by hitting each individual with the insecticide.

#### REMEDIES FOR SUCKING INSECTS

Sap sucking insects such as aphids or plant lice which suck the juice from the green leaves are best controlled by some tobacco solution, or powder such as we offer on this page. They may be washed off shrubs with the hose.

Sap sucking insects, like scale which suck the juice from the twigs or branches and even from the trunk itself, are best controlled by some dormant spray, such as Lime Sulphur solution, Kerosene Emulsion, etc.

#### REMEDIES FOR CHEWING INSECTS

Leaf eating insects such as beetles, weevils, grubs, worms, etc., are controlled by poison applied to the leaf.

Arsenate of Lead, and the other insecticides listed by us, are most effective and commonly used.

#### REMEDIES FOR PLANT DISEASES

The most common diseases of plants, the mildews and fungous diseases, are best controlled by preventive measures such as use of Bordo Powder.

## INSECTICIDES and FUNGICIDES

**Arsenate of Lead Powder.** A chemically accurate combination of Arsenic which is the poisoning agent, and Lead which serves to hold the poison upon the foliage and also counteracts possible damage to the leaf itself. An efficient destroyer of all leaf-eating insects which attack either fruit or shade trees, shrubs, flowers or vegetables.

By express only. 5-lb. cartons, \$2.00 each; 1-lb. cartons, 50 cts. each.

**Bordo Powder.** A highly efficient powdered form of Bordeaux Mixture; non-poisonous, but of great effectiveness when applied against black spot, mildew, and all fungous diseases. 1-lb. cartons, 50 cts. each. By express only.

**Niagara Nicotine Powder.** A highly efficient destroyer of all sucking insects, designed to combat Thrip, Aphis, Spiders, et al. Put up in an easily handled, fine powder. Must be shipped by express only. 1-lb. package, 60 cts.; 5-lb. package, \$1.65.

**"Nico-Fume Liquid."** A highly concentrated liquid Nicotine solution for fighting sucking insects, such as Thrip, Aphis and Spider. Used according to directions, in a fine spray and with as much force as possible, it makes a very effective and inexpensive insecticide. Being highly poisonous, it must be stored in a safe place away from children. Can be shipped in express or freight orders only, not mailable.

1/4-lb. can.....	\$0.85	The proportion for spraying is one to two teaspoonfuls added to a gallon of water.
1-lb. can.....	2.35	
4-lb. can.....	8.50	

**Sulpho-Tobacco Soap.** Useful for ridding house plants of bothersome insects. Especially efficient in removing scale from Palms and Ferns. Small cakes, enough to take care of the ordinary plant collection, by mail, postpaid, for 25 cts.

### ANTROL Kills Ants in Their Nests

New Method "Gets" Them at Their Source . . . .  
Safe, Permanent, Effective

The Antrol system is adapted to any size house or garden, and quickly destroys all species of sweet-eating ants. It is composed of small glass containers partially filled with syrup, and placed about the outside edges of the house or along ant "trails" in the garden. The ants smell the syrup, eat it, and then transmit its mild poison to the queen in the nest. Soon the entire ant colony is destroyed!

The complete system should cover every fifteen feet around the outside of the house or along ant "trails" in the garden.

**PRICES**—Antrol sets containing 4 containers and 1 4-oz. bottle of syrup, \$1.00; Antrol extra containers (each), 15c; Antrol syrup, 4-oz. bottles, 50 cts.; pints, \$1.00. (By Express Only).



For Underground Use  
For Insects on Plants  
For Fungous and  
Diseases on Plants  
For Poultry and Live  
Stock

**For Plants.** Stop-Vermin will prevent the ravages of maggots, root-worms, cut-worms, grubs, striped beetles, squash bugs, cabbage worms and all other insect pests, which eat the leaves, stems or roots. It is easily applied and economical to use, and will prove a great help to thousands of people who have been unable to grow radishes, turnips, onions and other root crops because of maggots. Simply sow in the ground with the seed, or it may be mixed with the seed and sown with a seed drill.

A leaflet will be supplied with each order describing the hundreds of uses of Stop-Vermin.

**Stop-Vermin.** Prices 1 lb. 65c; 5 lbs. \$2.35 postpaid. By express or freight, not prepaid, 10 lbs. \$4.00.

### SNAROL Quickly Kills Garden Pests

Science Provides New, Safe Method That Does  
the Work Without Fuss

Cutworms, Sowbugs, Grasshoppers, Slugs, Snails, Earwigs, Etc.,  
Are Exterminated

Snarol is a ready-prepared meal that you simply broadcast on the ground, under the vegetation. The pests eat the meal, and are quickly destroyed. Snarol will not deteriorate from rain or sprinkling, and also is non-injurious to vegetation when used according to simple directions. These features distinguish it from ordinary controls, and make Snarol popular with professional gardeners and nurserymen. Prices—1 1/2 lb. packages, 50 cts.; 4-pound packages, \$1.00. (By Express Only).

## Fight the Enemies That Would Destroy Your Garden



# Comrades

of the Early Fall

1—6 S. & H. Supreme  
Larkspur

2—3 Flowering Spurge

3—4 Red Hot Poker

CATALOG VALUE, \$2.75



The 13 Plants  
Postpaid

**\$2~~20~~**





# HARDY SHRUBS FOR COLOR IN FLOWER AND LEAF



New Red Barberry. See page 98



Hydrangea P. G. See page 101



French Hybrid Lilacs. See page 102



Spirea Anthony Waterer. See page 106

**"Sunny Front"** For either House Wall or Porch  
Foundation Planting  
House 26' wide—lot frontage 40'

A—6 Red Barberry	18-24"
B—2 Hydrangea P. G.	18-24"
C—4 Spirea A. W.	18-24"
D—2 Azalea Mollis (B&B)	15-18"
E—1 Phila. Virginal	2-3'
F—1 French Lilac	2-3'
G—1 Weigela Eva Rathke	2-3'
H—1 Forsythia Intermedia	2-3'

18 Shrubs—List Value  
\$12.95 at Nursery  
Special—Delivered to Your Door . . . . . **\$11<sup>65</sup>**

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**OR** One each of the eight as illustrated, for only... **\$5<sup>95</sup>**



Philadelphus Virginal. See page 104



Azalea Mollis. See page 110



Golden Bell. See page 101  
Color Page F



Weigela Eva Rathke. See page 108



# HARDY SHRUBS

The Finest Stock We  
Have Ever Grown

## Prices Greatly Reduced, But the Same Quality Remains

**I**T PAYS to buy plants of highest quality—the quality for which Storrs & Harrison are famous. This year we have cut prices so low everyone can afford the best. We offer a wide selection of varieties to beautify your home and garden.

In the shrub section the heights to which the different varieties grow are given. Choosing plants according to their ultimate height of growth is very important from the standpoint of good looks. Plant tall growing shrubs in the background, at corners where height is needed, and against foundations where no windows would be covered. Plant medium height shrubs in between groups of taller growers and wherever a medium tall shrub is the most desirable. Under low windows use only the dwarf growers. Another good practice is to plant low growing shrubs in the front row of the plant bed to provide for foliage clear to the ground.

**PLANTING.** As soon as your shipment arrives, open up to verify stock, then heel-in somewhere in shaded, moist soil. Take out a few at a time to location. Dig holes large and deep enough to receive the roots without cramping; sift fine dirt throughout the network of fibrous roots; fill up, tamp solid, leaving no fissures. Soak thoroughly and rake the surface level.

**MAINTENANCE.** Thereafter, make sure there is sufficient soil moisture. Keep ground cultivated and free from weeds, preserving a straight clean edge.

Pruning in the dormant stage is not injurious to the plant and often easier to accomplish, but, as a result, the spring bloom is not as abundant. The ideal time to prune shrubs that blossom **along their stems** is just after the blooming period.

All Shrubs are sent by freight or express, charges collect, except where stated "Mail Size."

Quantity Prices: 5 at ten rate; 25 at 100 rate; 250 at 1000 rate if so listed.

**ABELIA GRANDIFLORA.** An attractive dwarf shrub, suitable for a sunny, sheltered position anywhere the winters are not extreme; with small shiny foliage which is almost evergreen. The flowers are small, but very pretty and numerous, in loose terminal panicles; color, white flushed with pink. This shrub is rarely without some bloom from June into November.  
1½ to 2 feet—60 cts.  
2 to 3 feet—80 cts.



Aralia Pentaphylla—Graceful, with excellent foliage

### SHRUBS FOR LOW FOUNDATIONS

Abelia	Dwarf Spireas
Azalea Mollis	Barberry
Deutzias—	Clethra
Gracilis, Lemnoidi	Hydrangeas, cut back
Coralberry	Snowberry

### SHRUBS FOR SHADY LOCATIONS

Azalea Mollis	Common Lilacs
Van Houtte Spirea	Honeysuckles
Japanese Barberry	Golden Bell
Shrubby Dogwoods	Privets
Snowberry	Deutzias
Coralberry	Mock Orange
Hydrangea	Rhodotypos

### SHRUBS WITH ATTRACTIVE BERRIES

Barberry	Elders
Beautyberry	Privets
Chokeberry	Coralberry
Cotoneasters	Snowberry
Honeysuckles	Ilex
Viburnums	

### SHRUBS FOR HEDGES

Berberis Thunbergi	Indian Currant
Privets—in variety	Spirea Van Houtte
Altheas—in variety	Dwarf Spireas
Box—Barberry	Mock Orange
Buckthorn	



Double  
"Rose of  
Sharon"

**ALMOND.** Early spring flowering shrubs, gaily in full bloom before the leaves appear, with beautiful double flowers of rose or white, snuggling tight to the twigs.

—**Double White, and Double Pink.**  
1½ to 2 feet—50 cts.  
2 to 3 feet—65 cts.

### ALTHEA. (Rose of Sharon.)

Blooms late in August and September, with a profusion of large and brightly colored flowers much like the tender Hibiscus in form. These are the color spots of fall, as Lilacs and Weigelas are of spring. The late appearing foliage is extra good and valuable for its beauty alone. Grown in standard form, they attain 10 to 12 feet in height and make attractive specimens. Planted more compactly and occasionally pruned, they are both serviceable and showy as hedges. Should not be planted in very cold northern sections.

**Double.** Two or more rows of crinkly petals, the flowers coming in great abundance. Offered in separate colors: **Rose, Red, Purple, White or Striped.**

2 to 3 feet—40 cts. each; \$3.50 per 10.  
3 to 4 feet—55 cts. each; 4.50 per 10.

**Tree-shaped Double.** Headed up in tree form for use as solitary specimens; or in groups, with dwarfed shrubs beneath the spreading top. In separate colors: **Pink, Purple, Red or White.**  
3 to 4 feet—70 cts.; 4 to 5 feet—85 cts.

**Variegated Leaved.** This is one of the handsomest variegated leaved shrubs that grows. The Althea foliage is always attractive; but nothing else can equal its charm when broadly blotched and banded with cream and silver.  
1½ to 2 feet—45 cts.  
2 to 3 feet—60 cts.

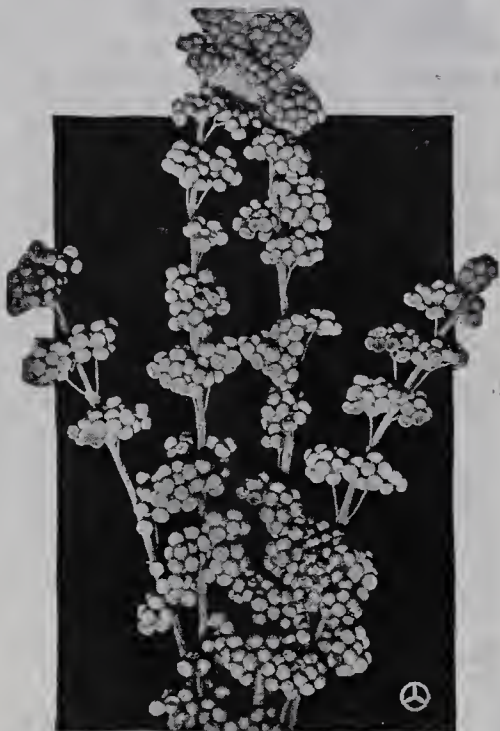
**AMORPHA FRUTICOSA.** Grows 6 to 10 feet high, in large spreading bush form, with bright green leaves in pinnate arrangement; flowers deep violet blue, in June.  
3 to 4 feet—50 cts.

**BARGAIN OFFERS—See Pages 4-7**





Japan Barberry



Callicarpa Purpurea

axillary clusters of pink flowers, these followed by berry bunches colored a light violet. If top should freeze, young shoots will come up and flower and fruit the next season.

2 to 3 feet—50 cts. each; \$4.50 per 10. 3 to 4 feet—65 cts. each; \$5.50 per 10.

**CALYCANTHUS.** (Carolina All-spice.) A unique shrub growing slowly upright to 6 feet, clothing its straight strong, reddish brown shoots with large glossy leaves, from the axils of which spring odd, double, spicily fragrant flowers of chocolate-red. 1½ to 2 feet—50 cts. each; \$4.00 per 10. 2 to 3 feet—60 cts. each; \$5.00 per 10.

### BUDDLEIA—To Call the Butterflies

The "Butterfly Bush" or "Summer Lilac" is of quick, bushy growth; when the lovely bloomspikes appear in July, the shrub, which had possibly died down nearly to the ground during winter, is now a perfect, well-balanced specimen of about 5 feet with arching flower wands radiating a delightful perfume and glowing with the tints of the Spring Lilacs. It is best to cut them back annually.

**Magnifica.** This variety is one of the hardiest for all sections. Flower spikes 10 inches in length by 3 inches in diameter are not unusual. Color deep violet-rose, with a pronounced orange center; the margins of petals neatly reflexed.

**Farquhar.** Rather dwarf, compact growth; with numerous medium sized flower spikes, bright lilac purple.

Both varieties: 2 yr.—40 cts. each; \$3.50 per 10.

**ARALIA PENTAPHYLLA.** Long, slender, gracefully arching branches and bright green, compound foliage. Makes a small tree in time, especially attractive on rocky slopes; can be kept at medium height. Greenish white flowers in long umbels. Valuable for its still intense green foliage among the autumn coloring of other shrubs.

2 to 3 feet—50 cts. each; \$4.50 per 10. 3 to 4 feet—60 cts. each; \$5.00 per 10.

**ARONIA.** (Chokeberry.) Attractive, perfectly hardy shrubs preferring moist locations, but equally good in dry soil. Leaves are smooth, pale green, coloring vividly to red in fall. Flowers are a tinted white in numerous small corymbs, succeeded by conspicuous, persistent berry-like fruits.

—**Arbutifolia.** Upright, 6 to 10 feet; very pretty in April and May with an abundance of white flowers; its red fall fruits carrying well into winter.

2 to 3 feet—80 cts. each; \$7.50 per 10. 3 to 4 feet—95 cts. each; \$8.50 per 10.

**AZALEA.** See Special Section, page 110.

### BARBERRY [Berberis]

**Red Leaved Barberry.** (*Berberis Thunbergi Atropurpurea*.) A highly important introduction among shrubs, giving us for the first time a practical easily grown shrub of medium height, with good, distinctly red foliage. This must prove a boon to all types of landscaping, where studied contrasts are to be worked out with the shrub foliage depended on for colors. *Atropurpurea* is an exact reproduction of *Thunbergi* in every way—habit, leaf-formation and fruiting, but—whereas the original is a deep green from spring until fall, this variety starts off in its first foliage a warm bronzy red; the heat of summer intensifying its red brilliancy; autumn adding other tints to its richness. The abundant scarlet berries persist throughout the winter along the spiny twigs. A sunny exposure is necessary to bring out and retain its full red color. Illustrated on color page F.

	Each	Per 10	Per 100
<b>NEW</b> 12 to 15 inches.....	\$0.40	\$3.50	\$25.00
<b>LOW</b> 15 to 18 inches.....	.50	4.50	35.00
<b>PRICES</b> 18 to 24 inches.....	.65	5.50	45.00

**Japan Barberry.** (*Berberis Thunbergi*.) There is no shrub in existence so generally planted or more practical for all purposes where beautiful foliage effect is desired. It is dwarf growing, uniformly bushy and rounded in form, susceptible to formal pruning, with small, numerous leaves densely covering the thorny twigs. These give it a paramount importance for use as a filler, and edging for shrubbery groups; as a foundation screen in front of porches; and, above all, as a compact, impassable, hardy, low hedge for confining lawns or dividing properties. Although variable in accordance with seasonal conditions, the autumn foliage is scarlet or bronze, and the branches studded with crimson fruits.

	Per 10	Per 100	Per 1,000
12 to 15 inches.....	\$1.50	\$12.00	\$ 90.00
15 to 18 inches.....	2.00	15.00	120.00
18 to 24 inches.....	3.00	20.00	175.00
Mail size, 20 cts. each.....	1.50	10.00	.....

**Box-Barberry.** (*Berberis Thunbergi Minor*.) Modified *Thunbergi* type, inheriting the Barberry hardiness, and in every other way desirable like its parent; but with foliage so round and dense, and growth so evenly compact, it bears a striking resemblance to Boxwood. Slower and lower growing than *Thunbergi*, its density allows closer trimming; so that—again like Boxwood—sheared specimens may be trained into perfect globes or pyramids, as well as the cropped hedge. 2 yr.

	Each	Per 10	Per 100
9 to 12 inches.....	35 cts.	\$3.00	\$22.00
12 to 15 inches.....	45 cts.	4.00	32.00

### CALLICARPA PURPUREA.

(*Beautyberry*.) A pretty shrub from 1 to 4 feet high, more at home south of the Ohio, but practical in the North if given a sheltered position and winter protection. It blooms profusely during August with small



Buddleia Magnifica

Shrubs are the essential part of any landscape arrangement. Choose them wisely.



**CARAGANA ARBORESCENS.** (Siberian Pea Shrub.) Grows ten to twelve feet high and makes a splendid show with its bright green, compound leaves, and numerous small clusters of yellow flowers. 2 to 3 feet—45 cts. each; \$3.50 per 10; \$25.00 per 100.

**CARYOPTERIS MASTACANTHUS.** (Blue Spirea.) A fine shrubby border plant growing about 3 feet high; from September until frost, covered full length of the stems with attractive umbels of lavender blue. Not entirely hardy in the north and should be heavily protected. 2 year—45 cts. each; \$4.00 per 10.

**CEPHALANTHUS OCCIDENTALIS.** (Button Bush.) Forms a dense rounded bush 4 to 6 feet high, especially adapted to damp locations: in July covered with large, fragrant, ball shaped greenish white flowers. 2 to 3 feet—50 cts.

**CLETHRA ALNIFOLIA.** (Sweet Pepper Bush.) A handsome little shrub, delightfully fragrant in August and September when covered with long, showy wands of creamy white flowers. It is valuable for the front of the border, as it grows only 3 to 5 feet tall, and on account of its pleasing scent, is very popular beneath the house windows. 1½ to 2 feet—55 cts. each; \$4.50 per 10. 2 to 3 feet—65 cts. each; \$5.50 per 10.

**COLUTEA ARBORESCENS.** (Bladder Senna.) Fast growing shrub attaining 15 feet in height, preferring a dry, sunny location. Foliage Acacia-like, flowers pea-shaped in long racemes, yellow and cinnabar-red, followed by red bladder-shaped seed pods 2 to 3 feet—50 cts.

## CORNUS [Dogwood]

Mainly valuable for their brilliancy of bark and berries, the filling-in quality and handsome variegations of their foliage. All varieties do well in shade. The autumn fruits call in a welcome assemblage of birds; and the tangled mass of highly colored twigs enliven the prevailing somberness of shrubbery in winter.

**Elegantissima Variegata** (Silver Dogwood). Grows 8 to 10 feet high, with purplish red branches and beautiful silver variegated foliage. This is one of the choicest variegated leaved shrubs, capable of refined compact shape by pruning; of value both summer and winter. 2 to 3 feet—60 cts. each; \$5.00 per 10. 3 to 4 feet—75 cts. each; \$7.00 per 10.

**Gouchaltii Aurea.** Leaves broadly margined yellow. Of branchy spreading habit. 2 to 3 feet—70 cts. each; \$6.00 per 10. 3 to 4 feet—85 cts. each.

**Lutea** (Yellow-twig Dogwood). A striking yellow branched form of *Stolonifera*, very satisfactory for contrasting. 2 to 3 feet—50 cts. each; \$4.00 per 10. 3 to 4 feet—60 cts. each; \$5.00 per 10.

**Mascula** (Cornelian Cherry). Grows tall; spring flowers bright yellow; the fall fruits scarlet. 2 to 3 feet—\$1.00; 3 to 4 feet—\$1.40.

**Paniculata** (Gray Dogwood). Grows 6 to 15 feet, but usually compact; showing a profusion of good sized white flowers in June. Berries white, on noticeable red stems. Bark and underside of leaves gray. 2 to 3 feet—55 cts. each; \$4.50 per 10. 3 to 4 feet—70 cts. each; \$6.00 per 10.

**Sibirica** (Red-twig Dogwood). Grows 6 to 10 feet high, with clusters of fine white flowers, succeeded by a fall crop of ornamental berries; stem and branches blood red. 2 to 3 feet—40 cts. each; \$3.00 per 10. 3 to 4 feet—50 cts. each; \$4.00 per 10. 4 to 5 feet—65 cts. each.



"Sweet Pepper Bush"



**Cornus Paniculata**

**Stolonifera** (Red Ozier Cornel). Medium sized and spreading, dark red bark and white flowers, berries white. 2 to 3 feet—45 cts. each; \$3.50 per 10. 3 to 4 feet—50 cts. each; 4.00 per 10.

## PLANTING SUGGESTION

for Old Homes and New  
Foundation Plan No. 1

Key No.	Name
A 2	Pyramidal Arborvitae, 2½ to 3 feet.
B 4	Regels Privet, 18-24 inches.
C 1	Phila. Virginialis, 2 to 3 feet.
D 1	Forsythia Intermedia, 2 to 3 feet.
E 5	Spirea A. Waterer, 15-18 inches.
F 3	Spirea Van Houtte, 3 to 4 feet.
G 2	Spirea Froebeli, 2 to 2½ feet.
H 1	Hydrangea A. G., 2 to 3 feet.
I 2	Hydrangea P. G., 18-24 inches.
J 2	Deutzia Lemoine, 2 to 2½ feet.
K 1	Deutzia Crenata Rosea, 2 to 3 feet.
L 1	Weigela Eva Rathke, 2 to 3 feet.
M 5	Japanese Barberry, 18-24 inches.
N 2	Desmodium, 2 year.
O 1	Silver Lace Vine.

Listed value \$17.63

Our Special Spring Price **\$14<sup>90</sup>** By Express Not Prepaid



**Cornus Elegantissima Variegata**

The whole group of Dogwoods is interesting for both summer and winter effects





Deutzia Watereri



Deutzia Crenata fl. pl.



Pride of Rochester



Deutzia Gracilis

## COTONEASTER.

See Special Section, Page 110

**CYDONIA Japonica** (Japan Quince). Very early in spring this fine old shrub is completely covered with dazzling scarlet flowers; followed by small, quince-shaped fruits which are quite fragrant. Growth bushy with protecting thorns.

1½ to 2 feet—40 cts. each; \$3.50 per 10.

2 to 3 feet—50 cts. each; 4.50 per 10.

**DESMODIUM Penduliflorum** (Lespedeza Sieboldi). A fine half-shrub, the long canes of each season's growth usually winter-killed. The stools become stronger, throwing up more shoots and forming a thick shrub 3 to 5 feet high, in showy late summer and October bloom. Arched branches, long, drooping racemes of liquid purple flowers. 2 yr. plants—55 cts. each; \$5.00 per 10.

## DEUTZIA

Shrubs which vary considerably in height and habit, but bloom alike in dainty bell or tassel-shaped flowers, borne thickly in wreaths along their branches in May and June. The dwarf types do very well in semi-shade, the taller types are easily confined by pruning.

**Crenata Rosea.** A strong pink suffusion.

**Watereri.** Large pink, flat flowers in loose racemes.

### Prices on Above Tall Varieties:

2 to 3 feet—40 cts.; \$3.50 per 10.

3 to 4 feet—50 cts.; 4.50 per 10.

**Gracilis** (Slender Branched). Dwarfest growing, dense, bushy; its drooping branches wreathed with pure white flowers in May. An excellent edging shrub, particularly attractive when studded with its covering crop of beadlike buds. Does very well in shade.

15 to 18 in.—35 cts. each; \$3.00 per 10; \$23.00 per 100.

18 to 24 in.—45 cts. each; 4.00 per 10; 30.00 per 100.

**Carminea.** Has same habit as Gracilis, but grows slightly taller and has deep rose colored flowers.

15 to 18 inches—40 cts. each; \$3.00 per 10.

18 to 24 inches—50 cts. each; 4.00 per 10.

**Lemoinei.** Medium large flowers of pure white borne in cone-shaped heads. This is the principal intermediate variety between dwarf and tall growing types, attaining about 4 feet in height, and is useful in partial shade.

18 to 24 inches—45 cts. each; \$4.00 per 10.

24 to 30 inches—50 cts. each; 4.50 per 10.

**Magnificata.** Of the Crenata type, but noticeably condensed and more evenly rounded; erect panicles double flowered, a mass of pure white bloom in June. This is one of the handsomest and most conspicuous of all.

2 to 3 feet—45 cts. each; \$3.50 per 10.

**Pride of Rochester.** Grows bushily and slowly, 6 to 8 feet high; and blooms in May before the others. Flowers large and free, double, white.

2 to 3 feet—45 cts. each; \$4.00 per 10.

3 to 4 feet—55 cts. each; 4.50 per 10.



Deutzia Magnificata

## ELDER—Sambucus

Coarse growing berried-shrubs chiefly grown for their beautiful leaves. Elders are not as permanent as some of the other common shrubs, so should be grouped to allow for future replacement without too great disturbance of the general planting effect.

**Acutifolia.** (Cut-leaved Elder). Great cymes of delicate, fragrant, white flowers in June and July, followed by large fruit clusters.

2 to 3 feet—45 cts.

3 to 4 feet—55 cts.

**Aurea** (Golden Elder). Its golden yellow leaves contrast beautifully with the other shrubs. Flowers white, in flat topped cymes. Grows naturally 10 to 15 feet, can be pruned to neat bush.

2 to 3 feet—40 cts.; \$3.50 per 10.

3 to 4 feet—50 cts.; 4.50 per 10.

**Canadensis** (American Elder). Immense flat topped cymes of white flowers in early summer; followed in August and September by luscious black fruits—the source of Mother's "Elderberry pie."

2 to 3 feet—40 cts. each; \$3.50 per 10.

3 to 4 feet—50 cts. each; 4.50 per 10.

**Pubens** (Scarlet Elder). The downy young shoots, leaves and flower stalks make an interesting bush; the flowers, and subsequent bright scarlet fruits, are in loose pyramidal panicles from May to July.

2 to 3 feet—45 cts. each; 3 to 4 feet—60 cts. each.

**Variegata.** Tall, vigorous, black fruited; its leaves mottled with white and yellow.

2 to 3 feet—45 cts. each.

3 to 4 feet—55 cts. each.

**ELAEAGNUS-Argentea** (Silverberry). Grows erect to 12 feet with reddish brown branches, and oval leaves silvery on both sides. Axillary fragrant yellow flowers, creating small oval fruits densely clothed with silvery scales.

2 to 3 feet—50 cts. each; \$4.50 per 10.

**EUONYMUS-Alatus** (Winged Burning Bush). An 8 to 10 foot shrub, with corky winged branches; fine for solitary plantings or massing; red and crimson leaves in autumn.

1½ to 2 feet—50 cts. each; 2 to 2½ feet—70 cts. each.

**EXOCHORDA GRANDIFLORA** (Pearl Bush). Grows vigorously to 6 to 10 feet, inclined to tree form with age. Early buds look like pearls, May opening them to long, gleaming sprays of purest white.

2 to 3 feet—45 cts. each; \$3.50 per 10.

3 to 4 feet—60 cts. each; 5.00 per 10.

## CUT PRICE OFFERS

Turn to pages 4-7 for Unusual Low-Priced Offers in Quality Plants.

Potted Annuals, a boon to Busy Gardeners and Mail Order Bargains Page 30.



## FORSYTHIA [Golden Bell]

These splendid old shrubs, growing 8 to 10 feet tall eventually, light up the garden with glinting masses of yellow, very early in spring before the leaves appear. The upright forms make excellent tall hedges, and are bright-hued fillers for massed shrub groups; the matted branches of yellowish green quite attractive in winter. (See illustration in color on color page F.)

**Fortunei (Erect).** Derived from *Suspensa*, but exactly opposite in type of growth. *Fortunei* grows the tallest and most slender of the group, and is consequently selected for tall backgrounds.

2 to 3 feet—45 cts. each; \$3.50 per 10.

3 to 4 feet—60 cts. each; 5.00 per 10.

**Intermedia (Arching).** Short leaved, earliest blooming broadest bushing; the long canes drooping so as to make a solid bank of brilliant green foliage. The best general purpose type.

2 to 3 feet—45 cts. each; \$3.50 per 10.

3 to 4 feet—60 cts. each; 5.00 per 10.

**Spectabilis.** Of *Intermedia* character, with very broad, heavier flowers.

2 to 3 feet—45 cts. each; \$3.50 per 10.

3 to 4 feet—60 cts. each; 5.00 per 10.

**Suspensa (Weeping).** Slender, limply drooping branches strung with bright rosettes of yellow bloom and shiny leaves. These are airily graceful, swaying loose from trellis top or garden wall; or mingle pleasingly with the trailing growth of Honeysuckle, *Wichuraiana* roses and other ground covering vines.

2 to 3 feet—60 cts. each; \$5.00 per 10.

3 to 4 feet—70 cts. each; 6.00 per 10.

Golden Bell

**Viridissima.** Six-inch olive-green leaves, on heavy, upright canes, the flowers greenish yellow not fully opening, with somewhat twisted petals. Not dependably hardy in northern latitudes.

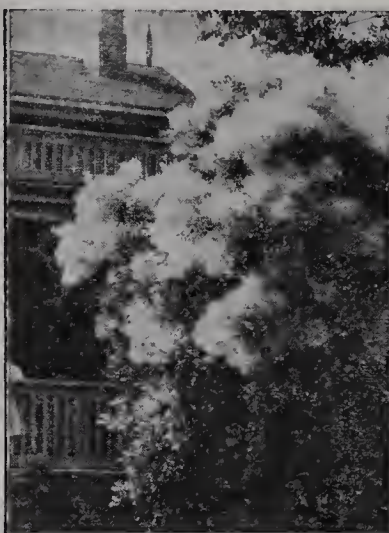
2 to 3 feet—45 cts. each; \$3.50 per 10.

3 to 4 feet—60 cts. each; 5.00 per 10.

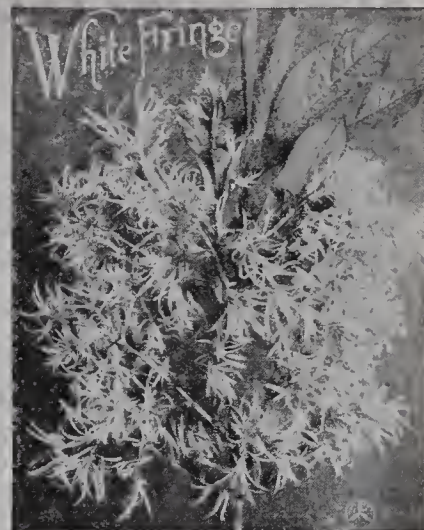
**FRINGE, Purple (Smoke Tree).** *Rhus Cotinus*. A conspicuous spreading shrub or small tree with large clusters of round leaves; overhung in mid-summer by mist-like clouds of tiny flowers. These billowing panicles are a light lavender when fresh, very persistent, and give the impression of smoke at a distance.

1½ to 2 feet—65 cts. each; \$5.50 per 10.

2 to 3 feet—70 cts. each; 6.00 per 10.



Purple Fringe



### FRINGE—Continued.

—**White** (*Chionanthus Virginica*). A very showy shrub, growing to large size; with large leathery, shiny leaves, and lace-like white flowers borne in gracefully drooping panicles. Although treelike in character, the branches and heavy foliage are usually well furnished close to the ground, making a broad and rounded bush of noble proportions.

1½ to 2 feet—85 cts. each; 2 to 3 feet—\$1.00 each.

**HALESIA TETRAPTERA** (Silver Bell Tree). A neat and pretty little tree, with large, dark green leaves. May be grown as a shrub. In May while the leaves are yet small, its branches are hung thickly with small white or pinkish drooping bells about an inch long. These are followed by large and curious winged seeds which impart to it a strangely ornamental effect.

2 to 3 feet—75 cts.

## HYDRANGEAS

The massiveness of bloom on these valuable shrubs and their long blooming season assure them a place in every grouping where solid white effects are required.

**Arborescens Grandiflora** ("Hills of Snow"). The flowers are, in a large way, similar to the familiar "Snowball" in appearance; conspicuously white and imposing. July to September. By cutting back to the crown each spring, the bushes may be kept round and dense at a normal height of 3 to 5 feet. They are excellent for solid low borders or in foundation plantings, which will allow for about four feet. This variety is often used with good effect, set six to eight feet apart, to outline a long, winding driveway.

1½ to 2 feet—40 cts. each; \$3.00 per 10; \$22.00 per 100.

2 to 3 feet—50 cts. each; 4.00 per 10; 30.00 per 100.

Mail size—30 cts. each; \$2.50 per 10.

**Paniculata Grandiflora.** Fine tall hedges, or if planted in rich soil and severely pruned every spring before the leaf buds open, will get to be very dense, dwarf clumps of compact form, wonderfully attractive when laden with their massive white plumes. Large beds, kept at a uniform development, are extremely showy; first snowy white, then pink, then reddish bronze and green. August till autumn. Planted rather well back in the intervals between other shrubs, the projecting flower wands arching from the ground are extremely conspicuous and effective white punctuations. (See illustration on color page F.)

1½ to 2 feet—40 cts. each; \$3.00 per 10; \$22.00 per 100.

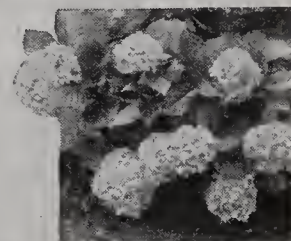
2 to 3 feet—50 cts. each; 4.00 per 10; 30.00 per 100.

Mail size—30 cts. each; \$2.50 per 10.

—**Tree Shaped.** Very desirable in this form, in formal lines and backgrounds, or solitary. The spreading head of green leaves and flower wands are all up above the straight bare trunk, thus allowing a close planting of dwarf shrubs beneath.

2½ to 3 feet—70 cts. each; 3 to 4 feet—90 cts. each;

4 to 5 feet—\$1.15 each.



Hills of Snow



Hydrangea P. G. is ideal for foundation planting

The beautiful blue and pink Hydrangeas obtained from Florists are not hardy



## BUSH HONEYSUCKLE [*Lonicera*]

The upright Honeysuckles (6 to 12 feet) have early, pretty flowers followed by showy berries that last through the fall. Their rounded leaves are among the first to break forth in spring, and are a most refreshing green amidst the dull brown hues of unawakened neighbors. Make very desirable bulky screening hedges, and the nucleus of tall shrub groups; doubly valuable because they will thrive in partial shade.

**Bella Albida.** Flowers white, in great fragrant clusters, followed by ropes of red berries, which remain all summer.

**Bella Rosea.** Like the type, but flowers tinted pale rose.

**Price of above two varieties:**

2 to 3 feet—45 cts. each; \$3.50 per 10. 3 to 4 feet—55 cts. each; \$4.50 per 10.

**Fragrantissima.** A favorite landscape type of lagging development up to 8 feet. Distinguished by its small round, leathery leaves, showing the darkest shade of green, which are practically evergreen if in a sheltered position. Also its very early clusters of tiny pink and white flowers are sweetly fragrant, their scent even clinging to wood and foliage.

2 to 3 feet—55 cts. each; \$4.50 per 10. 3 to 4 feet—70 cts. each; \$6.00 per 10.

**Grandiflora Rosea** (Pink Tatarian Hskl.). The tallest bush and the largest flowers, with beautiful rounded leaves of a lively green shade. An old bush may be 12 feet high, the arching branches supporting an unbroken wall of verdure to the ground. In June this mass is thickly spangled with starry bloom, tender rose pink, and very noticeable.

2 to 3 feet—45 cts. each; \$3.50 per 10. 3 to 4 feet—60 cts. each; \$5.00 per 10.

**Korolkowi** (Blue Leaf Hskl.). A choice new variety of much the same twiggy, dense, small-leaved, drooping habit and general appearance as *Spirea Van Houtte*, attaining similar proportions. The light coral pink flowers in small panicles are delightfully harmonious with the dainty foliage, which is consistently colored a distinct blue green, especially pronounced and contrastive early in the summer. 18 to 24 inches—50 cts. each.

**Morrowi** (Japanese Bush Hskl.). Dense, wide-flung branches constituting a rounded bush seldom above 8 feet. The small bloom is creamy white, quite showy; but the blood-red berries which follow, furnish the most thrilling spectacle among summer-fruiting shrubs. *Morrowi* is often used as a backyard dividing hedge set 4 feet apart and eventually taking up 6 to 8 feet of space in thickness and height. This and *Korolkowi* are useful against the blank walls of garage or woodshed, for foliage screening.

2 to 3 feet—45 cts. each; \$3.50 per 10. 3 to 4 feet—60 cts. each; \$5.00 per 10.

**Tatarica Alba.** Flowers blush white. Bush hardy and dense, growing 8 to 10 feet; exceedingly hardy.

2 to 3 feet—45 cts. each; \$3.50 per 10. 3 to 4 feet—55 cts. each; \$4.50 per 10.

**Tatarica Rubra.** Light crimson flowers in early summer. This is the darkest colored of all.

2 to 3 feet—50 cts. each; \$4.00 per 10. 3 to 4 feet—60 cts. each; \$5.00 per 10.

**HYPERICUM—Henryi** (Gold Flower). Forms a shrubby recumbent bush, 2 to 2½ feet high, of smooth purplish arching stems. Single, 2-inch or larger bright golden flowers, the rich color heightened by the many tufted yellow stamens with reddish anthers. Their foliage is fernlike, with dark, shiny upper surface, richly contrastive to the abundant bloom which is quite persistent. Does very well in partial shade if soil is not too dry.

2-year plants—60 cts. each; \$5.50 per 10.

**—Prolificum.** Of variable growth up to 5 feet; abundant dark glossy leaves. Blooms profusely with ½ to 1-inch yellow flowers in several to many axillary cymes. 18 to 24 inches—60 cts. each; \$5.00 per 10.

## BEAUTIFUL NEW SHRUB FROM CHINA

### KOLKWTZIA *Amabilis* [Beautybush]

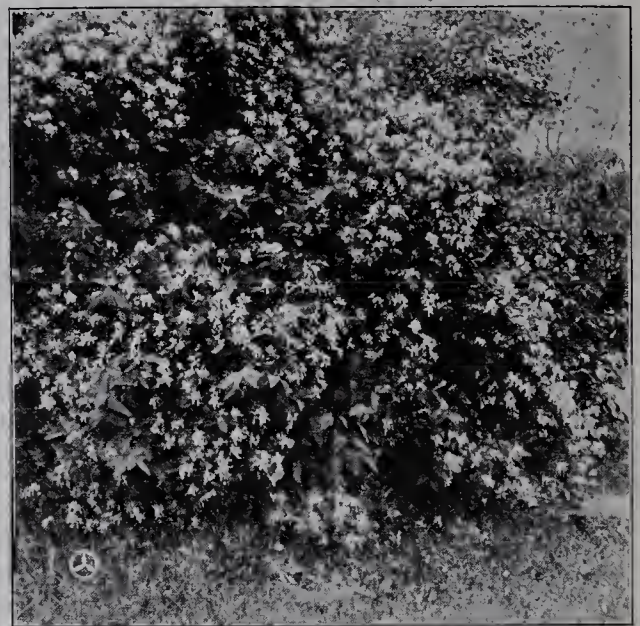


Flowers of Beautybush

A charming new shrub which increases our debt to China. Discovered among the high peaks of Hupeh's mountains, its progeny in America is proving likewise hardy in New England's severe climate. The attractively leaved bush attains about six feet, the center upright, the outer branches gracefully arching. Has a general resemblance to both *Weigela* and *Honeysuckle*, the beautiful trumpet shaped flowers appearing in great profusion during June, in pairs which cluster closely into cymes of about twenty-five. Flowers are bell-shaped and somewhat lipped, pale pink with orange veins in the throat, the buds being much darker.

1½ to 2 ft.—70 cts. ea.; \$6.00 per 10.

2 to 3 ft.—\$1.00 ea.; 9.00 per 10.



A Bush of Honeysuckle *Grandiflora Rosea*

**ILEX—Verticillata** (Black Alder or Winter-berry). A handsome deciduous form of Holly, of slow development to six or eight feet, at its best in moist soil. Although its small June flowers are numerous and foliage darkly lustrous, the sparkling masses of crimson fruits which appear in October represent its greatest charm and carry its value far into winter.

1½ to 2 feet—70 cts. each; \$6.00 per 10.

2 to 3 feet—85 cts. each; \$7.50 per 10.

## LILAC [*Syringa*]

Appreciated in all the gardens of the world; and Lilac collections have become a recent gardening ambition.

**Common Purple** (*Syringa Vulgaris*). Most suitable for tall hedges planted two to four feet apart and subject to moderate pruning, and for location in partial shade.

2 to 3 feet—35 cts. each; \$3.00 per 10.

3 to 4 feet—50 cts. each; 4.00 per 10.

**Common White** (*S. Vulgaris Alba*). Slenderly upright.

2 to 3 feet—55 cts. each; \$4.50 per 10.

3 to 4 feet—70 cts. each; 6.00 per 10.

**Josikaea** (Hungarian Lilac). Stout erect growth, dark shining leaves, and purple flowers in June.

2 to 3 feet—60 cts. each; \$5.50 per 10.

3 to 4 feet—75 cts. each.

**Persian Purple.** Medium growing with slender branches and narrow leaves; a choice foundation subject.

2 to 3 feet—50 cts. each; 3 to 4 feet—70 cts. each.

**Villosa.** Dwarf growth, broad leaved; pinkish lilac flowers in long, loose panicles.

2 to 3 feet—50 cts. each; 3 to 4 feet—65 cts. each.



Mme. Lemoine Lilac presents a glorious sight

Start a Lilac collection—plant several of these interesting varieties



## FRENCH HYBRID LILACS

To France must be given credit for intensive culture and development of the Lilac; vastly increasing size of florets, and length and breadth of panicles; strengthening of color tones, and distinctive mingling of shades; refinement of fragrance; and general glorification from root, wood and foliage to the bud and bloom.

(See blue examples on color page F.)

- Alphonse Laval** (D). Broad panicles, violet blue.  
**Belle de Nancy** (D). Great panicles of satiny rose white.  
**Charles Joly** (D). Dwarf; violet and wine purple.  
**Charles X** (S). Fine clusters of lilac flowers, slightly violet, very free.  
**Georges Bellair** (D). Large size in compact trusses; very deep rich purple.  
**Gloire de Lorraine**. Single. Splendid large trusses; crimson pink in the bud, opening out to clear mauve. Dwarf growing.  
**Marie Le Graye**. Single. Pure white.  
**Michael Buchner** (D). Dwarf and stocky. Delicate trusses of pale lilac color.  
**Mme. Abel Chatenay** (D). Beautiful globular buds like Lily-of-the-Valley reluctantly opening up, but eventually a massive truss, snow white.  
**Mme. Lemolne** (D). Pure white.  
**Obellsque** (D). Full, compact clusters; buds opening gradually; pure white.

Size	Each	Per 10
1½ to 2 ft.	\$0.65	\$5.50
2 to 3 ft.	.85	7.50
3 to 4 ft.	1.00	9.00

**President Grevy** (D). Slender tube and scapes of rosy mauve, the open face a prettily contrasting shade of bright blue.

**Souv. de Ludwig Spaeth** (S). Darkest of the blues—a deep purplish shade—in long panicles.

**Souv. de Rothpletz** (D). Silvered old rose in big, round, pendant buds which open with a surprising expanse of plumbago blue supporting a curled center of mauve and blush; long, bulky spikes.

**Vivland-Morel** (D). Intermingled blue and white petals, reverse deep purplish rose.

### Assorted French Lilacs.

Many patrons prefer to order this way, for our selection.



Souv. de Rothpletz



Glacier Mock Orange

## PHILADELPHUS [Mock Orange]

The Mock Orange has always been useful as a tall screening hedge shrub, and the one or two fragrant varieties were very popular as specimens, or in groups. During the past ten years, there has been an outburst of developed varieties expressing larger and more perfect flowers, protracted season, and more pronounced scent.

**Albatre.** Has very showy, dense panicles of white, double flowers. Plant is bushy, of medium height.  
2 to 3 feet—50 cts. each.

**Aureus (Golden Syringa).** Valuable for contrastive grouping, the best medium height golden leaved shrub.  
15 to 18 inches—50 cts. each; \$4.50 per 10.  
18 to 24 inches—65 cts. each; 6.00 per 10.  
24 to 30 inches—85 cts. each.

**Bouquet Blanc.** Close set bunches of double flowers; each branch a scented bouquet.  
2 to 3 feet—60 cts.; 3 to 4 feet—70 cts.

**Coronarius.** Blooms in May, in very graceful sprays, slightly scented. Good for tall screens.  
2 to 3 feet—45 cts. each; \$3.50 per 10.  
3 to 4 feet—55 cts. each; 4.50 per 10.

**Glacier.** 5 feet. An attractive type; double, rich cream, produced in thick clusters of six or seven, giving the effect of one enormous double flower.  
2 to 3 feet—60 cts. each; \$5.00 per 10.  
3 to 4 feet—75 cts. each; 7.00 per 10.

**Grandiflorus.** Very large flowers in June. Tall.  
2 to 3 feet—45 cts. each; \$3.50 per 10.  
3 to 4 feet—55 cts. each; 4.50 per 10.]  
4 to 5 feet—75 cts. each.

**Lemolnel Erectus.** Erect, fine leaved, slender stemmed, about 4 to 5 feet high. Creamy white flowers in June, with a distinct, permeating fragrance. A splendid filling-in shrub behind dwarf types.  
1½ to 2 feet—40 cts. each; \$3.50 per 10.  
2 to 3 feet—55 cts. each; 4.50 per 10.

Continued Next Page.

## NEW LILACS for OLD GARDENS

Our Special 1932 Offer of Six  
Superb New Sorts  
at Greatly Reduced Prices

**Jean Mace** (D). An early, free-flowering variety with broadly compact panicles; light blue shaded with mauve.

**Marechal Lannes** (D). Bluish violet flowers in broad panicles of immense size; both fully and semi-double.

**Montaigne** (D). Very large clusters; the bulky florets a delightful solid shade of pinkish mauve.

**Paul Thirion** (D). Rounded panicles of late season; the buds bright carmine, the flowers rosy lavender tinged claret red, the petals imbricated.

**Violetta** (S). Heavy wood, large, clean foliage, and compact panicles of bulky size. Buds are very dark violet-maroon; opening up into eight-petaled, inch-wide florets of dusky violet blue.

**Waldeck-Rousseau** (D). Great trusses to ten inches in length, the florets large; lilac rose with white center.



2-3 Feet  
EACH... \$1.00

The Set of  
Six by  
Express for \$4.90

## OXYDENDRUM

**Arboreum** (Sourwood). A small tree with spreading slender branches. Leaves bright green, fired in autumn with dazzling tones of scarlet. Flowers pure white in racemes resembling Lily-of-the-Valley. 2 to 3 feet—\$1.00.

Look for Special Philadelphia Offer on Special 4 Pages 4-7



PHILADELPHUS—Cont.

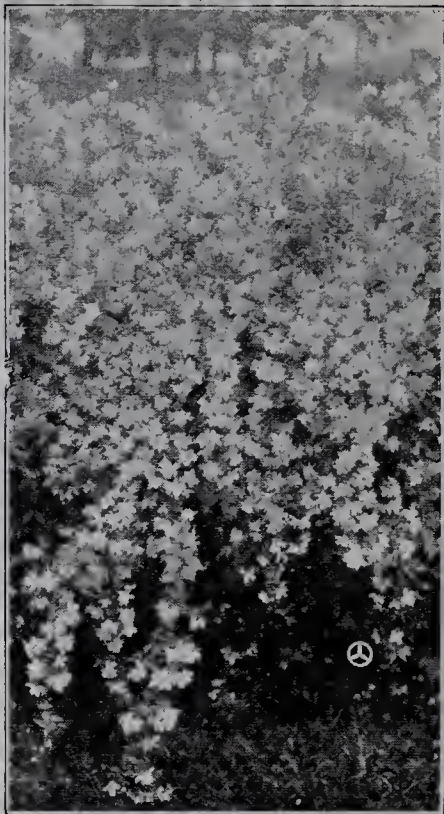
**Norma.** 8 feet, slenderly upright. The single flowers are of great individual size, strung freely along full length of the stems; glossy white with pale gold stamens.  
2 to 3 feet—55 cts. each; \$5.00 per 10.  
3 to 4 feet—65 cts. each.

**Ophelia.** Long, arched branches, heavily laden with very fragrant crinkly, mostly double flowers; flesh white with white gold stamens. Growth slow and compact, fragrance extra strong and delightful.  
1½ to 2 feet—45 cts. each; \$4.00 per 10.  
2 to 2½ feet—55 cts. each; 5.00 per 10.

**Romeo.** The flowers are pretty and distinct, being a creamy white with a small purple blotch. Of medium growth, maturing five to seven feet.  
1½ to 2 feet—45 cts. each.  
2 to 3 feet—55 cts. each.

**Virginalis.** A magnificent new variety. Moderately tall, with good foliage and compact habit. The flowers (fully double, semi-double and single) are the largest, handsomest, and most sweetly fragrant of any known variety, with longest early and intermittent blooming season. Best of the modern Mock Orange. (Illustrated on color page F.)  
1½ to 2 feet—45 cts. each; \$3.50 per 10.  
2 to 3 feet—55 cts. each; 5.00 per 10.  
3 to 4 feet—65 cts. each; 6.00 per 10.  
Mail size—30 cts.; \$2.50 per 10.

MODERN MOCK ORANGE SET. A Favorite Collection.  
See Special Offers—Pages 4-7



Philadelphus Ophella

S. & H. PRIVET NEW - LOW - PRICES  
Unusually Good Plants  
Plant a Privet Hedge. Mingle Privets in Shaded Groups

Besides being one of our best hedge plants, the various species of Privet form interesting groups on the lawn, and make richly green foliage backgrounds against foundation walls. They are almost evergreen, of dense compact habit; useful in shaded places. To plant a single row, set them about 12 inches apart; for a double row, about 18 inches apart each way and alternately. S. & H. sold Privets are noted for liberal grading—none better.

The Privets {Ligustrum}

- Amoor River** (L. Amurense). A very hardy northern grown type, vigorously upright and tall growing. The leaves are dark green, somewhat lustrous, tardily deciduous. Makes a strong, bold hedge with quite conspicuous bloom in erect white panicles.
- California** (L. Ovalifolium). Quick growing, straight, densely clothed shoots; the foliage in precise arrangement, a dark shiny green. The handsomest and most generally used of the entire group for hedging, clipped specimens, or for massing; but unfortunately not reliably hardy in the northern section.
- English** (L. Vulgaris). An old time garden type of informal habit. Gray-green bark and foliage, with white flowers and shining black berries.
- Japanese** (L. Ibota). Makes up into striking tall clumps, or informal screening hedges, with widespread curving branches; vigorous and hardy. The foliage is grayish green; showy, fragrant white flower plumes in June, followed by persisting blue-black berries.
- Ibollum**. A recently introduced hybrid of Ibota and Ovalifolium, expressing the best qualities of each. Remarkably sturdy and cold-resistant, withstanding every inclemency of the rigorous upper lakes district where other privets fail. Its foliage is lustrous and quite similar to the favorite California variety; with erectly branching habit and quick substantial development. Another attraction of Ibollum is its liberal, charming bloom of creamy whiteness, and pleasing fragrance.

**Regel's** (L. Regelianum). A strong, very hardy type with dark and shiny leaves. The numerous branches are stiff, twiggy and horizontally spreading, gracefully drooping at the ends. Makes a naturally wide, dense bush particularly adaptable to foundation plantings.



Golden Variegated

**Golden Variegated.** Similar in type of leaf and growth to the California, but of less ruggedness and quick habit. Instead of the conventional smooth green, this novel variety is creamy white and yellow over two-thirds of the leaf. May be used to advantage either in hedge rows or as bright variegation in groups with other shrubs. Try it with the red leaved Barberry.



Amoor Privet makes a splendid hedge

Prices of Privet Varieties		10	100	1000
Amurense—	12 to 18 in....	\$1.00	\$ 7.50	\$ 55.00
"	18 to 24 in....	1.20	9.00	70.00
"	2 to 3 ft....	1.50	12.00	90.00
California—	12 to 18 in....	.75	4.00	28.00
"	18 to 24 in....	1.00	6.00	45.00
"	2 to 3 ft....	1.20	8.00	65.00
English—	18 to 24 in....	1.50	12.00	.....
"	2 to 3 ft....	2.20	18.00	.....
Ibollum—	12 to 18 in....	1.00	7.50	55.00
"	18 to 24 in....	1.20	9.00	75.00
"	2 to 3 ft....	1.50	12.00	90.00
Ibota—	15 to 18 in....	1.00	8.00	65.00
"	18 to 24 in....	1.50	10.00	85.00
"	2 to 3 ft....	2.00	14.00	120.00
Regel's—	15 to 18 in....	2.00	14.00	125.00
"	18 to 24 in....	2.20	17.00	160.00
"	24 to 30 in....	3.00	25.00	.....
Variegated—	12 to 15 in....	2.00	15.00	.....
"	2 to 3 feet..	2.50	20.00	.....

ROCK GARDENS  
Favorite Plants for Rock Gardens  
are Listed and Described on Page 31



## PRUNUS

[Purple Leaved Plum]

**Cistena.** ★ A recently introduced cross between Pissardi and the Dakota Sand Cherry.

Dwarfer growing than the other purple plum varieties, more compact, with glossier leaves and much more red in its purple color.

3 to 4 feet—75 cts.; 4 to 5 feet—\$1.00.

**Newport.** A purple leaved plum of greater refinement and slower growth, the leaves smoother and more richly colored; at first strongly reddened, maturing to a still red tinge in the deep bronze-purple of late summer. Flowers rosy white, fruits magenta red.

3 to 4 feet—60 cts.; 4 to 5 feet—75 cts.; 5 to 6 feet—\$1.00.

**Pissardi** (The original Purple-leaved Plum). Showy pinkish purple leaves that deepen in color to the end of the season. A small round topped tree, with white, single flowers in spring.

3 to 4 feet—60 cts.; 4 to 5 feet—75 cts.; 5 to 6 feet—\$1.00.

**Triloba** (Double Flowered Plum). Very early in spring, before its leaves appear, the small tree is decked in a fleecy cloud of very double light pink blossoms. 2 to 3 feet—60 cts.; 3 to 4 feet—75 cts.

**RHAMNUS Catharticus** (Buckthorn). A dense twiggy bush, 6 to 10 feet high, with dark foliage relieved by masses of midsummer white flowers. Makes a good, prunable hedge.

2 to 3 feet—35 cts. each; \$3.00 per 10; \$20.00 per 100.

3 to 4 feet—45 cts. each; 4.00 per 10; 30.00 per 100.

—**Frangula.** A large shrub with numerous leafy branches. Leaves dark green, paler beneath, fading with tones of yellow, orange and red. Berries change from red to black.

2 to 3 feet—35 cts. each; \$3.00 per 10; \$20.00 per 100.

3 to 4 feet—45 cts. each; 4.00 per 10; 30.00 per 100.

**RHODOTYPOS KERRIOIDES** (White Kerria). An attractive rounded shrub 3 to 6 feet high, with beautiful yellowish green corrugated foliage and large, single white flowers late in May, black seeds following. Will endure partial shade.

1½ to 2 feet—40 cts. each; \$3.50 per 10.

2 to 3 feet—50 cts. each; 4.50 per 10.

## RHUS [Sumac]

Picturesque, gnarly, wind-bent rows of Sumac blazing in autumn with red leaves and gorgeous fruits, are familiar. Use of Sumac in modern landscaping gives the same effects in home grounds.

**Aromatica** (Fragrant Sumac). 2 to 4 feet tall; flowers yellow, red berries in June. Leaves turn to scarlet

1½ to 2 feet—55 cts. each; \$5.00 per 10.

2 to 3 feet—70 cts. each; 6.50 per 10.

**Copallina** (Shining Sumac). Tall, blooms late, greenish white terminal flowers in dense panicles. Large, deep crimson fruit. Foliage colors in fall.

1½ to 2 feet—55 cts. each; \$5.00 per 10.

2 to 3 feet—70 cts. each; 6.50 per 10.

**Glabra** (Smooth Sumac). Grows to a small tree with beautiful leaves which color brightly in autumn; flowers in July followed by crimson or brown fruits.

2 to 3 feet—50 cts. each; \$4.00 per 10.

3 to 4 feet—65 cts. each; 5.50 per 10.

**Typhina** (Stag Horn Sumac). Picturesque and rugged in all stages of development to its small-tree maturity of about 30 feet. Its flowers are borne during June and July in dense terminal panicles, followed by impressive red fruits.

2 to 3 feet—50 cts. each; \$4.00 per 10.

3 to 4 feet—65 cts. each; 5.50 per 10.

**Typhina Laciniata** (Cut-leaved Sumac). Similar to foregoing except its leaves are deeply cleft, which, if bush is pruned to induce considerable bottom growth, mingles the various angled fronds in a delightful "ferny" effect.

2 to 3 feet—65 cts. each; \$5.50 per 10.

3 to 4 feet—75 cts. each; 6.50 per 10.



Sorbaria Sorbifolia

## SORBARIA [False Spirea]

Handsome soft-wooded shrubs of quick development; partial to rich, moist soil and moderate shade. Their suckering habit is an advantage for creating a refined foliage mass along creek banks and woodland borders. In dryer soil not heavily fertilized, they make fine subjects for foundation screens, or medium height backgrounds for dwarfier shrubs and perennials.

**Sorbifolia** (Ash-leaf Spirea). Upright from three to five feet, with many arching branches and fresh green leaves like the mountain ash. Profuse bloom, June-July, in long feathery panicles, pure white.

2 to 3 feet—55 cts. each; \$5.00 per 10.

**STEPHANANDRA FLEXUOSA.** An attractive three foot shrub specially suitable for borders of other shrubs, and rocky banks. Branches angular, even zig-zagged, with handsome deep lobed foliage which colors to purplish red, and panicle racemes of white flowers in June. Not dependably hardy as far north as the great lakes district.

1½ to 2 feet—50 cts. each; \$4.50 per 10.

2 to 3 feet—60 cts. each; 5.50 per 10.



## SYMPHORICARPOS [Snowberry, Etc.]

Besides being quite attractive shrubs in their general character, fresh looking foliage, and adaptability as hedges, they are very useful in shade where few other types will grow.

**Racemosus** (Snowberry). Inconspicuous, rose colored flowers in June and July; followed by large, round, clustered, milk white fruits. The combination of pink flowers and white berries on the same twig is charming. Foliage is rounded, a fresh glaucous green.

2 to 3 feet—40 cts. each; \$3.00 per 10; \$22.00 per 100.

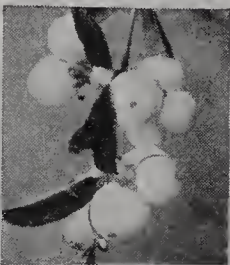
3 to 4 feet—50 cts. each; 4.00 per 10; 32.00 per 100.

**Mollis** (Spreading Snowberry). Branches dense and more spreading; adapted to filling-in mass. Small pink flowers all summer, round white berries. 2 to 3 feet—40 cts. each; \$3.00 per 10.

**Vulgaris** (Indian Currant, or Coralberry). More compact but similar to Snowberry, except the narrow-oval fruits are dull red and smaller, clustering snugly in thick ropes along the arching stems. Foliage is small, close-set and dark. Uniform spread of branches compares with Privets.

2 to 3 feet—40 cts.; \$3.00 per 10; \$22.00 per 100.

3 to 4 feet—50 cts.; 4.00 per 10; 32.00 per 100.



Snowberry



# SPIREA

All the Spireas bloom with a riotous extravagance; style, color and habits of growth differing so markedly that a collection of varieties will insure bloom the entire season and still evade repetition.

## DWARF FORMS—2 to 3 feet

**Anthony Waterer.** Beautiful dark small foliage; dense rounded growth; and large, brilliant rosy crimson corymbs of long blooming season but at its best in midsummer. More used for foundation plantings and low borders than any other. Illustrated on Color page F.

12 to 15 inches—30 cts. each; \$2.50 per 10; \$18.00 per 100.

15 to 18 inches—40 cts. each; 3.00 per 10; 22.00 per 100.

18 to 24 inches—50 cts. each; 4.00 per 10; 32.00 per 100.

**Bumalda.** A spreading, low bush with dark leaves brightened by corymbs of pretty light pink flowers in May, and at intervals all summer.

15 to 18 inches—40 cts. each; \$3.00 per 10.

18 to 24 inches—50 cts. each; 4.00 per 10.

**Callosa Alba.** Large flat clusters of white flowers nearly all summer.

15 to 18 inches—35 cts. each; \$3.00 per 10.

18 to 24 inches—45 cts. each; 3.50 per 10.

**Froebell.** Similar to A. Waterer, but a trifle taller, with broader and darker leaves. Salmon bronze red in spring, similar shade

in fall. Reddish pink corymbs in July and August.

18 to 24 inches—45 cts. each; \$3.50 per 10.

24 to 30 inches—55 cts. each; 4.50 per 10.

## TALLER SORTS—4 to 10 feet

**Arguta Multiflora.** (Snow Garland.) A slender, upright shrub, 3 to 5 feet high, with branches a snowy mass of clear white flowers in early May.

2 to 3 feet—45 cts. each; \$3.50 per 10.

3 to 4 feet—55 cts. each; 4.50 per 10.

**Billiard.** 3 to 6 feet. Has dense spikes of rose-pink flowers that crown sparsely twigged, erect branches. For shrubby groups, natural plantings and moist places. July to September.

2 to 3 feet—45 cts. each; \$3.50 per 10.

3 to 4 feet—55 cts. each; 4.50 per 10.

**Douglas.** Upright in growth to 7 feet, with reddish brown branches and narrow, oblong leaves. Bears spikes of beautiful deep rose-colored flowers in July.

2 to 3 feet—45 cts. each; \$3.50 per 10.

3 to 4 feet—55 cts. each; 4.50 per 10.

**Margaritae.** A handsome, very free flowering type of medium height up to five feet; in bloom during July and August, with rather large, bright pink flowers in broad corymbs; and elliptic, serrated leaves at times tinged with purple.

18 to 24 in.—45 cts. each; \$3.50 per 10.

**Opulifolia.** Growth upright, attaining 8 to 10 feet, although the heavy white flower umbels in June make the branches droop; old flower heads turn to dark red, making a striking variety of colors at different stages of maturity.

—**Aurea.** (Golden Spirea.) Of similar habit to above, with young foliage of bright yellow changing to golden bronze in the fall.

## PRICES, Both Above Varieties:

2 to 3 feet—45 cts. each; \$3.50 per 10.

3 to 4 feet—55 cts. each; 4.50 per 10.



Spirea Anthony Waterer

## TALLER SORTS—4 to 10 feet (Continued)

**Prunifolia fl. pl.** (Bridal Wreath.) Plum foliage, in autumn turns to brilliant red. Blooms early, small white flowers.

2 to 3 ft.—50 cts. each; \$4.00 per 10.

3 to 4 ft.—60 cts. each; 5.00 per 10.

**Thunbergi.** Forms a dense, fluffy bush, 3 to 5 feet high; the feathery foliage, which is a peculiar but pleasing shade of yellowish green, changes in autumn to bright red and orange. White clustered flowers in early spring.

18 to 24 in.—40 cts. each; \$3.00 per 10.

24 to 30 in.—55 cts. each; 4.50 per 10.

**Tomentosa.** (Hardhack.) A valuable late blooming sort (July-September) averaging about 4 feet in height; flowers of deep rose, or even purple, in dense, slender, feathery panicles. Tough and hardy, suitable for exposed and arid regions. 2 to 3 feet—45 cts. each; \$3.50 per 10.



Arguta Multiflora

rose, or even purple, in dense, slender, feathery panicles. Tough and hardy, suitable for exposed and arid regions. 2 to 3 feet—45 cts. each; \$3.50 per 10.

**Trichocarpa.** ★ (Korean Spirea.) A handsome new introduction favoring Van Houtte in character, but with interesting differences.

The flowers are larger than Van Houtte, with a distinct eye, in dome shaped clusters. These appear a short space following the older Bridal Wreath, and thus prolong the showiness of this type. Thrifty in growth and perfectly hardy.

1½ to 2 feet—55 cts. each; \$5.00 per 10. 2 to 3 feet—75 cts. each; \$6.50 per 10. 3 to 4 feet—\$1.00 each.

**Van Houtte.** Height 5 to 6 feet; stands some shade. Indispensable in any grouping of shrubbery where its gracefully arching, slender branches, fine twigs and "maiden hair" foliage may be left unpruned. A complete fountain of pure white bloom in May and June; its leaves remaining a rich, dark green color from spring to fall.

1½ to 2 feet—20 cts. each; \$1.50 per 10; \$12.00 per 100.

2 to 3 feet—25 cts. each; 2.00 per 10; 17.00 per 100.

3 to 4 feet—35 cts. each;

\$3.00 per 10; \$22.00 per 100.

4 to 5 feet—50 cts. each;

\$4.50 per 10; \$30.00 per 100.

Mail size, 15 cts. each;

\$1.50 per 10.



Spirea Van Houtte



Spirea Billiard



New—Korean Spirea (Trichocarpa)

Spirea Anthony Waterer blooms continuously through several weeks



## TAMARIX

Tall growing shrubs, 8 to 12 feet high, with fine feathery foliage like that of the Juniper; small, usually pink flowers from April on. Splendid for seaside planting, or equally good in dry sand. The first four varieties named, being slender, should be grouped close—about 2 feet apart; the other two are bushy, and may be given 3 or 4 feet space.

**Africana.** Reddish brown bark and slender, spreading branches; flowers pink, in long terminal panicles of thin racemes, in May.

**Gallica.** Slender, spreading branches, the leaves dull bluish green. Buds are globose, the flowers flesh white in delicately panicked racemes. May-July.

—**Indica.** A form of above, with more upright branches; dull green leaves; and longer racemes of pink flowers. (2 to 3 feet only.)

**Purpurca.** First to bloom, in short dense racemes of nearly white flowers on last year's wood; the bark and stems almost black.

### Price of four above varieties:

2 to 3 feet—45 cts. each; \$3.50 per 10.

3 to 4 feet—55 cts. each; 4.50 per 10.

**Odessana** (Caspian Tamarix). 4 to 6 feet. Exquisitely feathered foliage of silvery green, blooming in July and August with large loose panicles of lavender-pink flowers. Dwarfier growing, more bushy and spreading than the others.

2 to 3 feet—50 cts. each; \$4.00 per 10.

3 to 4 feet—60 cts. each; 5.00 per 10.

**Hispidula.** (Spanish Tamarix). Densely bushy, a foaming mass of glaucous foliage. Flowers in extra large upright panicles, bright coral pink; midsummer, and to some extent thereafter. This variety blooms longest, and with *Odessana* is much used for cutting, not only for its bloom but for the "mixing" character of its foliage.

2 to 3 feet—60 cts. each; \$5.00 per 10.

3 to 4 feet—70 cts. each; 6.00 per 10.

## VIBURNUM

A showy group of shrubs with wide diversity of character and common names, ranging from 5 to 12 feet in height. They bloom lavishly in Spring, and vividly brighten the Autumn with gleaming fruits and richly colored foliage.

**Acerifolium.** (Maple Leaved Viburnum.) Slender branches, maple-like leaves, creamy white flowers in late spring, and black berries. Grows three to five feet high. 2 to 3 feet—90 cts. each; \$8.00 per 10.

**Americanum** (High Bush Cranberry). Similar to *Opulus*, but more open and spreading, with longer, more numerous, more visible and longer lasting fruits. Broad flower corymbs with usually only the outer fringe fully opened. Fruits bright scarlet, persisting from July until spring, mainly because the birds won't eat them.

2 to 3 feet—50 cts. each; \$4.50 per 10.

3 to 4 feet—75 cts. each; 6.50 per 10.

**Cassinoides** (Withe-Rod). Broad, flat topped panicles of creamy white in early summer, followed by pink berries which change to blue.

1½ to 2 feet—65 cts.

2 to 3 feet—75 cts.

**Dentatum** (Arrow-wood). 8 to 12 feet. Bright green, heart-shaped leaves turning to purple and red. May and June flowers of creamy white, in umbel-like cymes. The fruits which follow in October are bluish-black.

2 to 3 feet—50 cts. each; \$4.00 per 10.

3 to 4 feet—60 cts. each; 5.00 per 10.

4 to 5 feet—75 cts. each.

**Lantana** (Wayfaring Tree). 10 to 15 feet. Beautiful wrinkled, Lantana-like leaves; white flowers in May and June. Fruits color unequally from crimson to black, causing a most charming combination of colors throughout the summer.

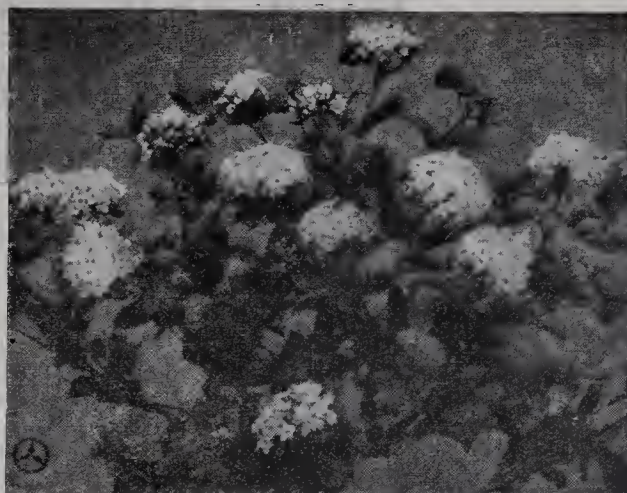
2 to 3 feet—60 cts. each; \$5.00 per 10.

3 to 4 feet—75 cts. each; 6.50 per 10.

**Lentago** (Sheepberry). Grows to be a small tree 30 feet high. Flowers white in pretty cymes during May and June; fruit large oval, blue-black.

2 to 3 feet—65 cts. each; \$6.00 per 10.

3 to 4 feet—75 cts. each; 7.00 per 10.



## A CHOICE VIBURNUM

**Carlesi.** ★ A valuable recent introduction from Korea, producing its delicate, spice-scented flowers in May and June. The buds, before expanding, are an attractive pink, developing into *Bouvardia*-like umbels of pure white. Flowers preserve their perfect form and purity of color an unusually long time, and are exquisitely scented. The bush is rounded, slow growing to four feet; with broadly oval leaves, dull green above, glaucous beneath and hairy on both sides, autumn painting them luxuriantly. 12 to 15 in. \$1.00 each; 15 to 18 in. \$1.35 each.

**Mollie** (Kentucky Viburnum). A satisfactory foliage shrub attaining 12 feet. Broad oval, coarsely indented leaves, glaucous above, pubescent beneath. Small white flowers in 2½ inch cymes in spring; the oval, blue-black berries ripe in August.

2 to 3 feet—35 cts.

3 to 4 feet—45 cts.

**Opulus.** (European Cranberry). 8 to 10 feet. Handsome, dense, brilliant green foliage; a rich setting for large bunches of crimson berries which persist on otherwise bare branches throughout winter. The flowers are in dense cymes about four inches across, pure white. 2 to 3 feet—50 cts. each; \$4.50 per 10.

3 to 4 feet—75 cts. each; 6.50 per 10.

—**Nanum.** A very dwarf, compact, rounded shrub, with darkly lustrous, irregular leaves, and reddish twigs. It bears no flowers, but is very valuable for low edging in lieu of the less hardy *Boxwood*. 9 to 12 inch plants—60 cts. each; \$5.50 per 10.

—**Sterilis.** ("Snowball" or *Guelder Rose*). The common *Snowball* which helps out so bravely for Decoration Day, with its lovely white bloom.

2 to 3 feet—45 cts. each; \$3.50 per 10.

3 to 4 feet—60 cts. each; 5.00 per 10.

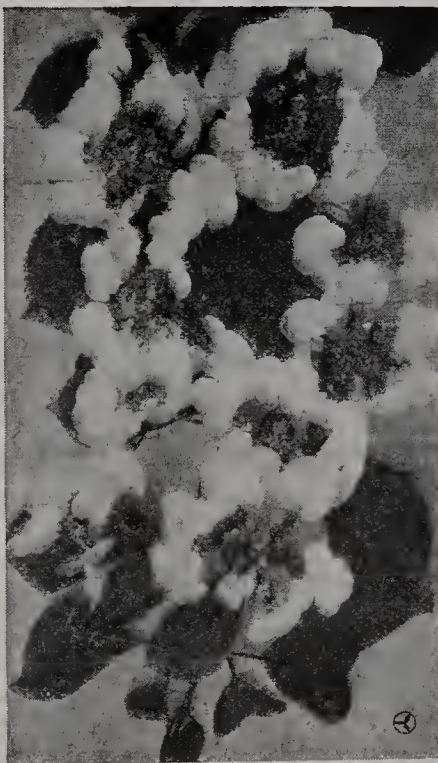
—**Sieboldi.** Grows 8 to 10 feet high, stoutly branching. Long oval leaves dark and glossy, pubescent beneath. Early summer creamy white flowers in 3 inch panicles, followed by pink fruits ripening black. 2 to 3 feet—75 cts.

**Plicatum.** (Japan *Snowball*). Erect, compact, growing 6 to 8 feet. Purple tinted leaves with white ovoid corymbs in June. 18 to 24 inches—70 cts. each; \$6.00 per 10. 24 to 30 inches—90 cts. each; 8.00 per 10.

**Tomentosum.** A single flowered form of the Japan *Snowball* blooming in large flat umbel-like cymes with marginal white flowers in May. Bush broad and symmetrical, bronze-green foliage, purple beneath. Fruits red, changing to blue-black.

1½ to 2 feet—50 cts. each; \$4.00 per 10.

2 to 3 feet—65 cts. each; 5.50 per 10.



Viburnum tomentosum



## WEIGELA—Diervilla

Coarse, thrifty shrubs for medium and back rows up to 8 feet; blooming from May into July. Flowers are stemless bells strung along the arching canes in clustered profusion.



Weigela Abel Carriere

**Abel Carriere.** Blooms May and June; rose-carmine flowers with yellow spot.  
2 to 3 feet—50 cts. each; \$4.00 per 10.  
3 to 4 feet—60 cts. each; 5.00 per 10.

**Candida.** 4 to 6 feet; a choice variety blooming in profusion during June and to some extent all summer. Pure white.  
2 to 3 feet—50 cts. each; \$4.00 per 10.  
3 to 4 feet—60 cts. each; 5.00 per 10.

**Eva Rathke.** Most distinct variety, being later (July), and most conspicuous with its deep carmine red flowers. (See illustration on color page F).  
1½ to 2 feet—45 cts. each; \$3.50 per 10.  
2 to 3 feet—60 cts. each; 5.00 per 10.  
3 to 4 feet—75 cts. each; 6.50 per 10.

**Floribunda.** Crimson flowers, large and showy, crowded at end of branchlets.  
2 to 3 feet—50 cts. each; \$4.00 per 10.  
3 to 4 feet—60 cts. each; 5.00 per 10.  
4 to 5 feet—75 cts. each.

**Hendersoni.** One of strongest growing, with large flowers the deepest rose pink.  
2 to 3 feet—50 cts. each; \$4.00 per 10.  
3 to 4 feet—60 cts. each; 5.00 per 10.

**Rosea.** Most popular of all; bright pink flowers in profusion during June.  
2 to 3 feet—45 cts. each; \$3.50 per 10.  
3 to 4 feet—55 cts. each; 4.50 per 10.



Weigela Candida

**Rosea Nana Variegata.** Dwarf; variegated leaves, broadly margined in creamy white; flowers pink. One of the most useful variegated shrubs, much used in foundation plantings.  
1½ to 2 feet—45 cts. each; \$3.50 per 10.  
2 to 3 feet—55 cts. each; 4.50 per 10.

**Sessilifolia.** Good sized cymes in dense terminal panicles with striking yellow tube. Medium height, but stocky.  
1½ to 2 feet—50 cts. each; \$4.00 per 10.

**Van Houtte.** Flowers broad and flat, deep rosy red with orange markings in the throat.  
2 to 3 feet—50 cts. each; \$4.00 per 10.  
3 to 4 feet—60 cts. each; 5.00 per 10.

# Hardy Ornamental VINES *Add Beauty and Charm*

Except noted, all vines offered are 2 years old. Five at ten rate; 25 at hundred rate; 250 at thousand rate. Except noted, each rate is alike for mail or express, but the ten and hundred rate is for express.

**ACTINIDIA Arguta.** A high-climbing shrubby vine with six-inch rather narrow leaves; small flowers closely set in broad axillary cymes, white with brownish base and prominent dark purple anthers; followed by oblong, saffron yellow fruits, sweet and sometimes eaten. 2 yrs.—75 cts. each.

**AKEBIA Quinata.** A perfectly hardy, fast growing Japan vine, with magnificent foliage never attacked by insects; producing chocolate-purple flowers in large clusters, possessing a most delicious perfume.  
2 year—55 cts. each; \$4.50 per 10.

### Vines for Climbing

On porch, trellis, fence or wall. Those types which cling to wood, stone, brick or stucco are designated by a star (\*); the rest twine or need support. Distance Apart to Set Plants

Actinidia Arguta.....	4 to 6 feet
Akebia Quinata.....	6 to 10 feet
*Ampelopsis—in variety (Veitchi, 4 to 6 feet) (shade).....	6 to 10 feet
*Bignonia Radicans (Trumpet Vine).....	6 to 10 feet
Bittersweet (Celastrus Scandens).....	6 to 10 feet
Clematis—in variety.....	6 to 10 feet
Dutchman's Pipe (Aristolochia Sipho) (shade).....	4 to 6 feet
*Euonymus Radicans—in variety.....	4 to 6 feet
Honeysuckles—in variety (Halliana in shade).....	8 to 10 feet
Kudzu Vine (Pueraria Thunbergiana).....	4 to 6 feet
Climbing Roses—in extensive variety.....	6 to 8 feet
Silver Lace Vine (Polygonum Auberti).....	4 to 8 feet
Wisterias—in variety.....	8 to 10 feet

**AMPELOPSIS.** A valuable and extensively used vine adapted to every vining purpose; with several distinct types, among which occur the following:

—**Engelmanni.** A vigorous, clinging climber densely clothed with foliage clusters of five small leaflets. Their young growth is coarsely toothed, with a purplish tinge maturing dull green slightly blued beneath, but both leaf and twig a bright scarlet in autumn.  
2 year—45 cts. each; \$3.50 per 10.

—**Quinquefolia** (American Ivy, **Virginia Creeper**, etc.). Deeply cut leaves which turn to a beautiful crimson in fall; fine for covering trees, rocky slopes, walls, etc.  
2 year—45 cts. each; \$3.50 per 10.

—**Veitchi (Boston Ivy).** This is one of the finest hardy climbers we have for covering walls, as it clings firmly to the smoothest surface, covering closely with overlapping foliage, giving appearance of shingles. The color is a fresh deep green in summer, changing to the brightest shades of crimson and yellow in autumn.  
2 year—50 cts. each; \$4.50 per 10; \$35.00 per 100. Mail size—35 cts. each; \$3.00 per 10.

**ARISTOLOCHIA Sipho (Dutch Pipe).** Although the brownish, pipe-shaped flowers are interesting, the immense heart-shaped leaves are the important feature, furnishing as they do the most complete screening leafage of any cultivated trellis vine. Of thrifty growth, uniform, shingle-like arrangement and dependable hardiness, they serve conspicuously for shade or ornament, in either sun or shade.  
Heavy 2 year grafted plants—75 cts. each.



Boston Ivy—Ampelopsis Veitchi



## VINES—Contd.

**BIGNONIA Radicans.** (Trumpet Flower.) A robust woody vine; twining tightly with numerous roots along stems. Its orange scarlet, trumpet-shaped flowers cluster at tip of branches. Leaves light green. Will climb to great heights on trunks of trees, and for every purpose is one of the best vines.

2 year—45 cts. each; \$3.50 per 10.

**CELASTRUS Scandens.** (Bittersweet.) Handsome glossy foliage, creamy flower tufts well distributed in July, and large clusters of beautiful, orange crimson fruits retained all winter. Its graceful sprays of berries make charming winter house decorations. A popular vine for covering rough fences. 2 year—50 cts. each; \$4.00 per 10.



## CLEMATIS

Woody, moderately high-climbing vines of varied utility and remarkable popularity. All are choice clasping vines for pillars and trellises, the 4 to 6-inch solitary flowers of the hybrids and dense clusters of paniculata providing beautiful floral display. They delight in rich soil and sun, but are fairly successful in semi-shade.

**LARGE FLOWERED HYBRID CLEMATIS.** Rather flat single flowers, each petal deeply furrowed at center.

—**HENRYI.** Creamy white.

—**JACKMANI.** Velvety, violet-purple.

—**MAD. ED. ANDRE.** Crimson red.

—**RAMONA.** Deep sky blue.

2 year—  
75 cts. each.

**SMALL FLOWERED CLEMATIS.** Besides climbing, can be pegged down for bedding or running over rockwork.

—**Cocclinea.** (Scarlet Clematis). Small bell-shaped flowers, coral-red, recurring from June until frost. Least vigorous vining. 2 year—50 cts. each; \$4.50 per 10.

—**Paniculata.** (Sweet Japan Clematis.) Deliberate in growth to 8 or 10 feet; small, dense foliage. Sheets of fragrant starry flowers in Sept. 2 yr.—40 cts. each; \$3.50 per 10.



Clematis Paniculata

**Euonymus Radicans.** A splendid compact vine variously used, but being evergreen, is listed in a Special Section, page 111.

**KUDZU VINE.** Large foliage and dense shade, growing 50 feet in one season. Flowers plentiful in August; rosy-purple, pea-shaped—in small racemes. Good porch vine wherever it is able to withstand the cold winters. 2 year—35 cts. each; \$3.00 per 10.

**LONICERA.** (Honeysuckle.) Their vining qualities are excellent, besides the delightful fragrance of the flowers.

—**Aurea Reticulata.** (Golden-Leaved Honeysuckle.) Flowers yellow and fragrant. 2 yr.—40 cts.; \$3.50 per 10.

—**Belgica.** (Monthly Fragrant.) One of the prettiest, with sprays of red and yellow. 2 yr.—50 cts.; \$4.00 per 10.

—**Halleana.** (Hall's Honeysuckle.) Colorful, an intermingling of white and yellow; extremely fragrant; grows in partial shade, useful as ground cover. 2 yr.—40 cts. each; \$3.50 per 10.

—**Sempervirens.** (Scarlet Trumpet Hskl.) Trumpet-shaped flowers of bright scarlet. 2 yr.—40 cts. each; \$3.50 per 10.

**LYCIUM CHINENSE.** (Chinese Matrimony Vine.) A general utility hardy climbing vine that will overcome any obstacle to growth and flourish everywhere. Every new shoot produces handsome purple flowers and later a prodigious crop of scarlet berries nearly an inch long. Is a practical carpet vine and highly efficient as a bank retainer on reasonable slopes; each joint that presses into the soil taking firm hold and establishing a colony of deep and spreading roots. A practical close shading tall trellis vine pleasingly ornamental. 2 yr.—40 cts. each; \$3.50 per 10.

**POLYGONUM AUBERTI.** (Silver Lace Vine.) This is the latest addition to our list of practical hardy vines, a quick-growing type of twining habit averaging 25 feet in a season. The small, cordate foliage is fresh and shiny, although the base of stalk becomes somewhat woody. Produces an extravagance of large, foamy flower sprays in silvery white, from late summer into the fall. 2 yr.—70 cts. each; \$6.50 per 10.

**Wisteria.** Noblest of the vines, normally attaining great age, with thick, woody trunks. The magnificent leaves are fern-like in long fronds. The magnificent flowers appear in May or June, as dense drooping racemes a foot or more long, of pea-like florets. These are a magnificent spectacle, drooping from the eaves on porch or pergola, or from the canopied top of shrub-trained specimens. Being deep and few rooted, and of reluctant establishment, set them in extra deep rich earth, heavily manured.

—**Sincensis Blue.** 2 yr.—75 cts. each; \$6.50 per 10.

—**Sinensis White.** 2 yr.—75 cts. each; \$6.50 per 10.

—**Magnifica.** Immense racemes 6-8 inches long of 50 to 60 flowers, lilac purple with a yellow spot, the leaf fronds are shorter with fewer leaflets. 2 yr.—75 cts.; \$6.50 per 10.



Silver Lace Vine





# BROADLEAF EVERGREEN SHRUBS

## With Choice Other Associating Shrubs and Vines

All are Balled and Burlapped, unless otherwise noted. We Recommend Freight shipment on account of their weight.



HIS group contains some of the choicest shrubs, notable not only because of their evergreen foliage, but because of their highly prized flowers; very useful for foundation planting, for filling in beds of evergreens and for lawn specimens. Included here occur also the valuable Evergreen vine, Euonymus, so useful as wall-covers, garden hedges and ground cover. They are sensitive to lime in the soil, and require instead a marked acidity. This soil condition may be induced by application of Aluminum Sulphate,  $\frac{1}{2}$  to 1 pound, or Sulphate of Ammonia, 1 to 3 pounds sprinkled evenly over a square yard of surface and spaded in. Don't allow them to become over-dry.

### AZALEA

Not "Evergreen," but listed here because of its normal association with the other items under this heading. Don't fail to consider our special mail size offer of five choice varieties on page 5.

**Calendulacea** (Flame Azalea). One of the most attractive flowering shrubs, growing up to 6 or 8 feet. A very profuse bloomer; the flowers being a light orange to bright red, appearing before the leaves and remaining several weeks. The autumn foliage closely repeats the colors of its spring flowers.

$1\frac{1}{2}$  to 2 feet—\$2.50 each; 2 to  $2\frac{1}{2}$  feet—\$3.00.

**Mollis.** Dwarf growing, bushy, well branched, with attractive foliage. The flowers are a variable orange tan, yellow and red, providing a flamy brilliancy of color into late spring landscapes. Plant thrives in both sunny and semi-shaded locations; is very hardy, and very popular for foundation planting, particularly on the east or north sides. See illustration in color on page C.

Our Mollis stock is seedlings—  
not separated into distinct colors.

12 to 15 inches—\$1.60 each; \$15.00 per 10.

15 to 18 inches— 2.35 each; 22.50 per 10.

18 to 24 inches— 3.00 each; 27.50 per 10.

Mail Size—60 cts. each; 3 for \$1.50.

**Nudiflora.** This variety is an early bloomer, the flowers appearing in May. Very attractive with blooms varying in color from a beautiful pink to reddish-purple. A good shrub for mass-planting.  $1\frac{1}{2}$  to 2 feet, \$2.50.

Mail Size—75 cts. each; 3 for \$1.80.

### BIG SPECIAL OFFERS

on popular plants including Broadleaf Evergreens. Sure to contain some plants you need and can use. Prices lowest in our history.

See pages 4-7.



Azalea Calendulacea

### BOXWOOD

**Tree Box** (*Buxus Sempervirens*). A hardy, outdoor type we have propagated here for many years. It is slow growing, so that with slight shearing it may be utilized as a dwarf-box edging for garden, beds and walks. No other hardy edging is its equal in refinement and lustrous beauty. We believe our S. & H. strain is hardiest.

	Each	Per 10	Per 100
8 to 10 ins.—bare roots—	\$0.70	\$ 6.00	\$ 50.00
10 to 12 ins.—bare roots—	.90	8.00	70.00
12 to 15 ins.—bare roots—	1.25	12.00	100.00
Mail Size—bare roots—50 cts.;	\$4.00	per 10;	
	\$30.00	per 100.	

### COTONEASTER

A class of refined fruiting shrubs having dense, dainty little rounded leaves darkly lustrous and with brilliant autumn color and a grand display of vivid fruits. Adapted to rockery and wall

adornment, as well as to any other landscape usage in well drained soil with plenty of sunlight.

**Acutifolia.** (Peking Cotoneaster). A fast growing shrub to 12 feet, with spreading slender branches and  $1\frac{1}{2}$  to 2 inch leaves. Nodding flower clusters in May and June, half-inch black fruits in September.

(Bare roots.) 2 to 3 feet—60 cts;  
3 to 4 feet—75 cts.

**Divaricata.** Growth upright to 6 feet; leaves deciduous, broadly oval, lustrous above, turning to crimson. Inconspicuous pink flowers; fruits  $\frac{1}{3}$  inch long, turning to bright red in September.

2 to 3 feet—\$1.75;  
3 to 4 feet— 2.25.

**Horizontalis.** A dwarf shrub with densely spreading horizontal branches almost prostrate. On account of its habit, is much appreciated in rockeries, the front of borders, or to overhang garden walls, to display its crimsoning leaves and scarlet fruits, deep into winter.

15 to 18 inches—\$1.60;  
18 to 24 inches— 2.00.

From 5-inch pots (Not B. & B.), 12 to 15 inches spread—\$1.25 each; \$10.00 per 10

**Nitens.** Related to Divaricata, and similar, with broadly oval lustrous leaves; but differing in the pendulous fruit which is purplish black.

2 to 3 feet—\$1.50;  
3 to 4 feet— 2.00.

These plants are desirable for their warmth of color in the winter landscape



**DAPHNE**

**Cneorum.** One of the few varieties of "Garland Flower" sufficiently hardy to use properly in this northern latitude, and should be given a sunny location. It is a very dwarf shrub, almost evergreen, with spreading branches on which the narrow, inch-long leaves are crowded; making very pretty trails of blue-green foliage. The soft pink flowers appear profusely during April and May, and at intervals throughout the summer; very small and dainty in terminal clusters, with a distinct and very pleasing sweet fragrance.

6 to 8 ins. (B & B)—90 cts.  
8 to 10 ins. (B & B)—\$1.25.

**Daphne Cneorum****EUONYMUS RADICANS**

**Fralling.** A fine, practically evergreen vine, with small, rich green foliage and pink fruits. For covering rocky banks, climbing rough walls, tree-trunks, etc., also for vases, baskets and borders of beds. This type is narrow-leaved and compactly matting, used for general covering.

2 year—60 cts. each; \$5.00 per 10.

**Colorata.** A new form with rounder, larger leaves and more rapid prostrate growth. Rooting every place it touches the ground, it becomes valuable for ornamentally clothing and retaining difficult steep banks, either in sun or partial shade. Although dark green in summer, it turns bronzy red during autumn and for the winter.

2 year—75 cts. each; \$6.50 per 10.

**Sieboldianus (Patens).** This **Upright Type** is broader leaved and heavier wooded, used for bordering, either in its natural abandon, or formally sheared. 2 year—15 to 18 inches—60 cts. each; \$5.00 per 10; 18 to 24 inches—80 cts. each; \$7.00 per 10.

**Vegetus (Evergreen Bittersweet).** Hardy, of quite shrubby character, its rounded leaves close-covering, glossy evergreen throughout most of winter; showily spangled with orange-red berries.

2 years—75 cts. each; \$6.50 per 10.

**KALMIA**

**Latifolia (Mountain Laurel or Calico Bush).** Second only to the Rhododendrons among the broad-leaved evergreens. Its quaintly formed, rosy-white buds and flowers cluster in great trusses during July, and contrast finely with the shining, dark leaves. Even small plants are gay with them. Especially impressive in masses, but make a brave show as separate specimens.

2 to 3 feet—\$2.75.

**LEUCOTHOE**

**Catesbaei (Drooping Leucothoe).** A beautiful shrub, both for blossom and foliage. The leaves, bright green in summer and purplish-red in the fall and winter, are evenly disposed on gracefully drooping branches, from which are pendant many densely packed racemes of bell-shaped, creamy white flowers in early May. The colorful foliage is much desired for winter house decoration.

15 to 18 inches—\$2.00 each.

1½ to 2 feet—\$2.50 each.

**Kalmia****Pyracantha Lalandi****MAHONIA**

**Aquifolia (Holly-leaved Ashberry).** A beautiful evergreen shrub, with smooth shining holly leaves; bright yellow flower clusters in May, and blue berries. The leaf color varies capriciously through the year, assuming various shades of green, with flecks of red and bronze.

15 to 18 inches—\$1.25.

1½ to 2 feet—1.50.

2 to 2½ feet—2.00.

**PYRACANTHA LALANDI [Firethorn]**

An almost evergreen shrub allied to both the Thorns and Cotoneasters. Small, ovate, shiny leaves set thickly on slender branches with numerous short thorns. Small white flowers in corymbs, replaced in fall by bright orange-red fruit. One of the finest berried small trees. Can be trained for dwarf massing, as a ground cover; and makes a fine, dense, broad hedge to any desired medium height. **Balled and Burlapped.**

1½ to 2 feet—\$1.50; 2 to 3 feet—\$2.00; 3 to 4 feet—\$3.50.

**RHODODENDRON**

Its leathery leaves provide wonderfully rich backgrounds of dark green amid the floral distractions of summer, and inject a lively reminiscence of the season past, in winter landscapes. Although most effective and cared-for when planted in masses, smaller groups and units are invaluable for shaded nooks about the house or lawn. They will grow in any good soil, but are finest in a sun-and-wind sheltered situation, where the soil is deep, well drained and mulched with leaves. In hot, dry weather **soak** the ground—say about once a week. A protection of leaves and brush during winter is beneficial, and an acid soil condition must be maintained.

**Carolinianum.** Leaves rather small, narrow, dark green above, covered with brownish dots beneath; clusters of clear rose-pink flowers in May; very hardy. 15 to 18 inches—\$3.00; 18 to 24 inches—\$3.75.

**Catawbiense.** Very hardy, with attractive foliage of round shining green leaves, glaucous beneath, in terminal clusters. The flowers are borne abundantly in large trusses, in shades of lavender and purple, appearing early in June.

1½ to 2 feet—\$3.00; 2 to 2½ feet—\$4.00.

**Maxlimum.** Foliage very large and smooth, its July flowers in shades of rosy blush and white. Very attractive for natural effects along shaded walks and drives, and best for massing. 2 to 3 feet—\$3.50; 3 to 4 feet—\$4.50.

**PACHYSANDRA Terminalls (Japanese Spurge).** One of the best ground covering plants, particularly valuable in shade, averaging 6 to 8 inches in height and branching freely into a dense mat. Its shapely, indented foliage is practically evergreen; thick, rubbery, lustrous dark green. For immediate carpeting effect, use 4 or 3 plants to the square foot. Doz., \$2.00; 100 for \$13.50; 1000 for \$100.00.

**Rhododendron In Flower**



# S & H HARDY ORNAMENTAL

THE succeeding lists represent the most favored trees for lawn adornment, and the best types for street and grove plantings. **We will be pleased to quote prices** to anyone desiring different sizes or stock in larger quantities than offered herein. In sending list, state definitely the number of each variety and size wanted.

**Specimen Trees.** We are listing certain specimen trees according to caliper (or thickness of the trunk a few inches above ground). In addition to these sizes, we probably have them considerably larger, but  $2\frac{1}{2}$  to 3 inch size is about the largest which can be shipped in ordinary box or express cars. We are always pleased to allow personal selection by our customers of particular ornamental trees, but at a variable advance above listed prices according to conditions.

**Five or more of one kind and size at ten rate; 25 or more at 100 rate.**

## DECIDUOUS TREES

**AILANTHUS** (Tree of Heaven). An extremely rapid grower with brilliant green, palm-like leaves. Thrives in city lots exposed to gas and smoke, and in soil where other trees perish.

6 to 8 feet—\$1.15; 8 to 10 feet—\$1.50;  
10 to 12 feet—2.00.



Allanthus or "Tree of Heaven"



Catalpa Bungei

**ARALIA Japonica.** Handsome small tree with spreading umbrella top. Foliage immense, finely divided; broad flat panicles of creamy white flowers in July; the whole creating a distinctly tropical effect.

3 to 4 feet—80 cts; 4 to 5 feet—\$1.00; 5 to 6 feet—\$1.25.

**BIRD CHERRY** (Prunus Padus). A handsome flowering tree, bearing long clusters of white flowers in May, followed by bright red fruit, much beloved by birds. It is one of the earliest trees to leaf out in the spring.

6 to 8 feet—\$1.10; 8 to 10 feet—\$1.50; 10 to 12 feet—\$2.00.

## ASH—Fraxinus

**American White.** A tall rapid grower with smooth gray bark and glossy, fernlike leaves. For park groups, and very good for streets.

6 to 8 feet—\$1.25.

8 to 10 feet—1.75.

10 to 12 feet—2.25.

$1\frac{1}{2}$  to  $1\frac{3}{4}$  inches—\$3.00.

Write for  
prices on  
larger sizes

**Flowering Ash.** Small and neat-growing, with terminal-panicles of fringe-like, greenish white flowers in May or June.

6 to 8 feet—\$1.25; 8 to 10 feet—\$1.75.

## BIRCH—Betula

**American White** (B. Populifolia). A rather small tree with smooth white bark and handsome foliage. Very effective when planted in front of evergreens, to afford strong contrast.

8 to 10 feet—\$2.25.

10 to 12 feet—3.00.

$1\frac{1}{2}$  to  $1\frac{3}{4}$  inches—\$3.50.

$1\frac{3}{4}$  to 2 inches—4.50.

**Canoe or Paper** (B. Papyrifera). A large, vigorous upright tree with broad, handsome leaves and brilliant white bark.

6 to 8 feet—\$2.00.

8 to 10 feet—2.75.

10 to 12 feet—3.75.

**Cut-leaved Weeping.** Its tall, slender, yet vigorous growth, graceful drooping habit, silvery white bark and delicately cut foliage presents attractive characteristics rarely met with in a single tree. Very popular for single lawn specimens or groups; the white bark of trunk and twigs gleaming conspicuously among the darker greens and browns.

4 to 5 feet—\$1.25; 5 to 6 feet—\$1.50; 6 to 8 feet—\$2.00; 8 to 10 feet—\$3.00.

**Scotch** (European White) (B. Alba). Similar to the American or Canoe Birch with slender branches and conspicuously silvery bark. After a few years growth assumes a graceful weeping habit, adding greatly to its beauty.

6 to 8 feet—\$1.50; 8 to 10 feet—\$2.00; 10 to 12 feet—\$2.75.

**Sweet, or Black** (Betula Lenta). A handsome, round-headed tree of moderate height, pendulous when older, quite attractive in Spring with its long, staminate catkins. The oblong leaves (2 to 5 inches) are sharply serrate; the trunk dark reddish brown, the young bark sweetly aromatic.

5 to 6 feet—\$1.50.

6 to 8 feet—2.00.

## CATALPA

**Bungei** (Umbrella Catalpa). Grafted on stems either 5 to 6 or 6 to 8 feet high, makes an umbrella-shaped top without pruning. Perfectly hardy, and flourishes in all soils and climates. Leaves large, glossy, heart-shaped, deep green, making symmetrical head. Usually planted in pairs or in symmetrical rows.

5 to 6 feet—\$1.00.

6 to 7 feet—1.50.

**Dwarf Bungei.** Worked low; with all the wealth of green foliage found in the standard form, clear to the ground.

2 to 3 feet—\$1.00.

**Speciosa.** A good looking tree developing quick shade. Large, heart-shaped downy leaves, and compound panicles of white flowers, tinged violet, dotted purple and yellow. Noted for rapid, straight growth, and durability.

6 to 8 feet—75 cts.

8 to 10 feet—\$1.00.



Cut-leaved Weeping



# TREES

*Tremendous reductions in tree prices prevail this year—yet you get the same quality, same thrifty roots and shapely tops for which S & H trees are noted.*



Flowering Cherry.

## FLOWERING CHERRIES [Cerasus]

A recently developed line of small sized flowering trees which is taking America by storm. Some types are well known, but most named varieties are new in the catalogs and in general use. Most of the following varieties are strictly Japanese, one or two of European introduction, and several are American adaptations.

**Amanogawa.** (Milky Way). A unique tree form similar to Lombardy Poplar, with upright branches hugging the main trunk. These are literally covered full length with also upright short stems crowned by lovely semi-double pink flowers of delightful fragrance. This type takes up little room, and is consequently very valuable as an accent shrub in general groupings. 3 to 4 feet—\$1.75; 4 to 5 feet—\$2.25.

**Beni-Higan** (C. Subhirtella). The famous "Spring Cherry" of Japan, deep pink in the buds, expanding to a flushed white. 2 year, grafted on 5 to 6 foot stems, \$3.50 each.

**Double White** (Avium fl. pl.). A charming small tree with branches completely covered by a mass of large double white flowers in May. 3 to 4 feet—\$1.50; 4 to 5 feet—\$2.00; 5 to 6 feet—\$2.50.

**Double Pink** (C. Sieboldi). Semi-double, white tinged with red. 3 to 4 feet—\$1.25; 4 to 5 feet—\$1.75; 5 to 6 feet—\$2.25.



Trees are never more beautiful than in early spring, especially those that flower, such as the Thorn tree illustrated above. The graceful shade tree on the right is the American Linden.

**Fujizan** (C. Incisa). The "Mt. Fuji Cherry." Snow white blossoms with yellow anthers, equally beautiful after the petals have fallen when the conspicuous calyx shows red and finally crimson. 3 to 4 feet—\$1.50; 4 to 5 feet—\$2.00.

**James H. Veitch** (C. Fugenzo). One of the best varieties; large, double, pink flowers with reddish green calyx, contrasting attractively against the handsome foliage. 3 to 4 feet—\$1.50; 4 to 5 feet—\$2.00; 5 to 6 feet—\$2.50.

**Japan Weeping.** (C. Subhirtella Pendula). The "Rosebud Cherry," longest known of this wonderful family in American landscapes; popularized by its adaptability to small lawns where its swaying wands, so thickly studded with light pink bloom, are an outstanding incident of spring. Grafted on 5 to 6 foot stems. (See illustration on back cover.) 1 year heads—\$2.90; 2 year heads—\$3.75.

**Kofugen** (Pink Saint). Vigorously upright and symmetrical. Crimson buds, expanding into double flowers that are red, fading to old rose. 3 to 4 feet—\$1.50; 4 to 5 feet—\$1.75.

**Kwanzan** (Sekiyama, Sekizan) (Sacred Gate). Usually in bush form but of good height; the flowers being very full and double, deep pink or old rose, varying in tone according to weather conditions. Popularly used in Japan as gateway guardians. 3 to 4 feet—\$1.50; 4 to 5 feet—\$2.00.

**Naden.** Abundant double flowers of large size and heavy texture, a warm blush pink maturing to a deeper shade, after a full two weeks of lovely bloom. 4 to 5 feet—\$1.75.

**Paul Wohler.** Dwarf and spreading—after ten years probably about ten feet high by eight feet spread. The flowers are semi-double, very early, red to deep pink. 3 to 4 feet—\$1.50; 4 to 5 feet—\$2.00.

**Rhexi, fl. pl.** Round topped, with a thick trunk and rugged gray bark. The inch and half wide flowers are extremely double, profuse, pure white with two prominent green pistils. 3 to 4 feet—\$1.25; 4 to 5 feet—\$1.60.

**Shirofugen.** Similar to above in character, but unique in that its buds are pale; and the opened flowers show but the merest tint of pink. 3 to 4 feet—\$1.50; 4 to 5 feet—\$1.75.

**Yoshino.** ★ One of the loveliest of all, most popular in Japan, and the kind that gives that magnificent sweep of pink color along the Tidal Basin at Washington, when "Cherry Time" draws its thousands of flower-lovers to the Capitol. Fast growing and wide spread, the early flowers very dense on the branches; buds red, the single flowers blush pink maturing to white with a purplish pink center. 3 to 4 feet—\$1.50; 4 to 5 feet—\$1.75.

## SEE BIG SPECIAL OFFERS—Back Cover and Page 4

The flowering trees make beautiful and interesting spring display



**CORNUS [The Dogwoods,**

**Cornus Florida** (White Flowering Dogwood). Flowers white, 3 to 3½ inches in diameter, produced in Spring before leaves appear; very abundant, showy and durable. Foliage grayish green, glossy and handsome; in the autumn turning to deep red. Spreading, irregular form, growing 20 to 25 feet high. Used with telling effect in tall shrub backgrounds and corner groups, to inject sparkling white bloom in spring, and for crimson autumn foliage.

2 to 3 feet—75 cts.

3 to 4 feet—\$1.25.

4 to 5 feet—2.00.

**Cornus Florida Rubra** (Red Flowering Dogwood). Slower growing and more formally shaped, with handsome red flowers. An attractive lawn specimen or group subject. Shipped out "Balled and Burlapped," consequently quite heavy, and should go by freight if possible, to save transportation cost. (Illustrated on back cover.)

2 to 3 feet—\$2.00.

3 to 4 feet—3.00.

4 to 5 feet—5.00.

**CRABS—FLOWERING [Malus]**

Rounded, compact, small trees, largely used in lawn groups and high shrub borders, for their profuse early bloom; their dense, glossy, handsome foliage which colors richly; and their ornamental fruits.

**Arnoldiana.** A popular variety; early flowering semi-double, pink; with splendid foliage and yellow fruit.

3 to 4 feet—\$1.00.

4 to 5 feet—1.25.

**Atrosanguinea.** Makes a beautiful contrast to the other varieties by reason of its darker red flowers. The buds are deep purplish red, and the entire flower tinged purplish.

3 to 4 feet—\$1.00.

4 to 5 feet—1.25.

5 to 6 feet—1.50.



Bechtel's Crab



Cornus Florida

**Bechtel's.** The only genuine double flowered crab. Makes a medium sized tree; perfectly hardy, succeeds well in most soils. When in bloom appears to be covered with delicate pink, perfectly double small roses of delicious fragrance.

2 to 3 feet—60 cts.

3 to 4 feet—85 cts.

4 to 5 feet—\$1.25.

**Coronaria** (Wild Crab Apple). A pretty, round-headed tree, with spiny branches and attractive heart-shaped serrated leaves. The opening leaf buds show a ruddy bronze, passing to rich green and turning back in autumn to bronze and yellow. Clustered rose-pink flowers, and yellowish fruit.

3 to 4 feet—75 cts.; 4 to 5 feet—\$1.00; 5 to 6 feet—\$1.50.

**Eleyi** ★ The young shoots are fuzzy, with brilliant purplish red foliage rivaling the Japanese Maple. Its flowers are free, in thick clusters like apple-blossoms, in color a rich vinous red. In autumn, the dark red fruits in pendant clusters are spectacular.

3 to 4 feet—75 cts.; 4 to 5 feet—\$1.00; 5 to 6 feet—\$1.50.

**Floribunda.** A large shrub or small tree, often thorny, with rose-red flowers borne in great profusion in May. The fruit is red and very small.

3 to 4 feet—75 cts.; 4 to 5 feet—\$1.00; 5 to 6 feet—\$1.50.

**Floribunda Purpurea.** A beautiful form of above with darker red flowers.

3 to 4 feet—75 cts.; 4 to 5 feet—\$1.00; 5 to 6 feet—\$1.50.

**Hopa** ★ A new hybrid, its impractical little crimson fruits merely carrying on into autumn, the vivid color display which had made the shapely tree so beautiful in spring with its wealth of rose-crimson flowers.

3 to 4 feet—75 cts.; 4 to 5 feet—\$1.00; 5 to 6 feet—\$1.50.

**Niedzwetzkyana.** Purplish foliage, the wood and bark also tinged with red. Extra large flowers deep pink, the edible fruits purple.

3 to 4 feet—75 cts.; 4 to 5 feet—\$1.00; 5 to 6 feet—\$1.50.

**Parkman** (Halliana). An elegant Japanese dwarf with long-stemmed semi-double flowers of deep rose color wreathing its branches. The buds are long and handsome.

3 to 4 feet—\$1.25; 4 to 5 feet—\$1.75.

**Spectabilis.** Narrow foliage glossy above, glabrous beneath, the tree small. Coral red buds expand into pretty rose colored flowers just before the fruiting apples bloom. Fruits small, round, yellow.

3 to 4 feet—75 cts.; 4 to 5 feet—\$1.00; 5 to 6 feet—\$1.50.

**THE ELMS—Ulmus**

**American.** A noble native tree of great size and wide spread, with graceful drooping branches and handsome leaves. One of the best tree types for towering, heady effect and wide-spread shade, in the yard itself. Indispensable to shaded parks, and largely used along the sides of wide avenues.

6 to 8 feet—\$1.00 each; \$ 9.00 per 10.

8 to 10 feet—1.50 each; 12.50 per 10.

10 to 12 feet—2.00 each; 17.50 per 10.

1½ to 1¾ inches—\$2.75.

1¾ to 2 inches—3.50.

2 to 2½ inches—5.00.

**Camperdown Weeping.** Its vigorous irregular branches, which have a uniform weeping habit, overlap so regularly that a compact, roof-like head is formed. Leaves are large, glossy, dark green. The finest weeping Elm and one of the best specimen trees.

2 yr. head—\$3.25.

**Chinese Elm** (Pumila). A recently developed type specially adapted to the arid regions of our West and Southwest. There it thrives under natural adversity, growing very rapidly and to a good height. In the East and the Lake regions, its growth is so deliberate we may well consider it as a dwarf variety. The foliage is small and dense, the growth symmetrical and compact.

5 to 6 feet—\$1.25; 6 to 8 feet—\$1.75; 8 to 10 feet—\$2.25.

**English** (Campestris). More densely branched than American, and not quite so tall with smaller, darker leaves, retained longer in autumn. The branches project from the trunk almost at right angles.

6 to 8 feet—\$2.00; 8 to 10 feet—\$3.00; 10 to 12 feet—\$4.00.



Camperdown Elm



American Elm

Make your back yard into a beautiful outdoor living room. Plant trees for flower and shade



**ELMS — Continued.**

**Moline.** A valuable new type of tree perpetuated by budding. Of compact but fast growing habit, with very large leaves of distinct dark blue-green shade; bark smooth and glossy.

6 to 8 feet—\$1.25 each, \$10.00 per 10; 8 to 10 feet—\$1.75 each, \$15.00 per 10.  
10 to 12 feet—\$2.25 each, \$20.00 per 10.

**Scotch.** A rapid-growing spreading tree, with large rough, dark green leaves. One of the best avenue trees.

6 to 8 feet—\$1.35 each, \$12.00 per 10. | 1½ to 1¾ inches—\$3.25.  
8 to 10 feet— 2.00 each, 18.00 per 10. | 1¾ to 2 inches— 4.00.  
10 to 12 feet— 2.50 each; 22.50 per 10. | 2 to 2½ inches— 6.00.

**Vase Elm.** Another recently introduced type of American Elm, the tops uniformly shaping up to a broad-topped vase shape. Our stock developed by buds from the original tree.

6 to 8 feet—\$1.00 each, \$9.00 per 10; 8 to 10 feet—\$1.50 each, \$12.00 per 10.  
10 to 12 feet—\$2.00 each, \$17.50 per 10; 1½ to 1¾ inches—\$2.75 each.



Berries of Euonymus

**EUONYMUS**

**Americanus** (Strawberry Bush). A shrubby form seldom over 8 feet, with broad leaves which crimson beautifully in autumn. The yellowish, inconspicuous flowers are vindicated in September, by the showy display of large, warty, rose-pink fruits, exposing scarlet seed coats. 3 to 4 feet—75 cts. each.

**Bungeanus.** Tall growing shrub with slender branches and finely serrate 2 to 4-inch leaves. Flowers appear in numerous small forked cymes; succeeded by large, deeply lobed fruits which show pink, with white seeds and orange arils. 3 to 4 ft.—70 cts.; 4 to 5 feet—90 cts.; 5 to 6 feet—\$1.10.

**Europaeus.** A large shrub or small tree, growing to 15 feet. In spring it is covered with a wealth of bright yellow flowers in nodding clusters, followed by brilliant rose-colored berries, which hang in clusters from the branches till mid-winter. The leaves color a beautiful crimson-scarlet in fall. Stems and leaves a dark, polished green.

3 to 4 feet—70 cts.; 4 to 5 feet—90 cts.; 5 to 6 feet—\$1.00.

**FILBERT** (English). 15 feet. A desirable small tree of double interest, hardy and indifferent to the type of soil. It fits well into tall shrubby groups, to display its luxuriant heart-shaped leaves so richly green in summer, so bright red and yellow in autumn; and the winter aspect of long, pendant catkins against naked branches. Then there are the valuable nuts—to admire in their ornamental jackets, and to later eat with relish when released by frosts.

2 to 3 feet—60 cts.; 3 to 4 feet—80 cts.; 4 to 5 feet—\$1.00.

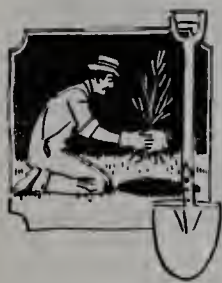
**HACKBERRY.** Its light green leaves are glossy, pointed; the branches spread horizontally, forming a wide, elm-shaped head of medium size. Vigorous, hardy and healthy, thriving in all soils. 6 to 8 feet—\$1.50; 8 to 10 feet—\$2.50.

**HONEY LOCUST.** A large, vigorous tree, with wide-spreading branches, feathery, fern-like leaves, and a stout armament of thorns. Makes a fine defensive hedge. 4 to 6 feet—75 cts.; 6 to 8 feet—\$1.00.

**HORNBEAM, American** (Blue Beech). A very hardy native small tree with dense round head. Leaves turn yellow and brown and stay on all winter. Stands severe pruning without detriment. Remarkably free from the attacks of insects. 3 to 4 ft.—\$1.50; 4 to 5 ft.—\$2.00.

**HORSE CHESTNUT, White Flowering.** The well-known European species; very handsome; has magnificent spikes of white flowers borne in profusion and sweetly scented. 4 to 5 ft.—\$1.25; 5 to 6 ft.—\$1.75; 6 to 8 ft.—\$2.50.

—**Red Flowering.** A somewhat smaller tree, rarely over 30 feet high, with darker leaves and splendid showy red flower-spikes opening later.  
3 to 4 feet—\$2.50; 4 to 5 feet—\$3.50.

**TREES for Various Purposes****Trees With Attractive Autumn Foliage**

Sugar Maple    Oaks  
Dogwood        Tulip Tree

**Trees for Dry Places**

Junipers (Evergreen)  
Mugho Pine (Evergreen)  
Elm                Locust  
Ash                Hackberry

**Trees for Moist Places**

Birch                Oaks  
Willow              Linden  
Poplar               Elm  
Ash

**For Street or Avenue Planting**

Ash                Hackberry  
Linden             Sycamore  
Elms                Maples

**Weeping Trees**

Weeping Mulberry  
Cut-Leaved Weeping Birch  
Babytonica Willow  
Thurlo's Willow  
Wisconsin Willow

**Trees for Quick Effect**

Box Elder           Sycamore  
Catalpa              Poplar  
Silver Maple        Willow

**Trees for Winter Beauty**  
Birch  
Golden Willow  
Evergreens



Horse Chestnut

**IRONWOOD** (Hop Hornbeam). A graceful, birch-like tree of small to medium size, and slow growth. Has tough, close-grained wood, furrowed bark and hop-like fruits. The young twigs are reddish, the attractive leaves changing in autumn to bright yellow. Valuable for dry situations.

3 to 4 feet—85 cts.; 4 to 5 feet—\$1.25.

**JUDAS TREE** (*Cercis Canadensis*) (Red Bud). A small growing tree of irregular form, with heart-shaped leaves. It is covered with delicate pink blossoms early in spring before the leaves appear, a charming association among the tender greens and bronzes of young foliage.

3 to 4 feet—80 cts.

4 to 5 feet—\$1.00.

5 to 6 feet— 1.50.

**KOELREUTERIA Paniculata** (Varnish Tree). A rare tree, 25 to 30 feet high, showy in July, when spangled with foot-long clusters of golden yellow flowers and in autumn when foliage colors to crimson and gold.

3 to 4 feet—\$1.00; 4 to 5 feet—\$1.50.

**LABURNUM, Scotch** ("Golden Chain"). This charming small tree (20 feet), takes its familiar name from the long racemes of golden yellow flowers with which it is radiant in June. It is of picturesquely irregular growth, and has glossy pinnate leaves. Prefers a somewhat sheltered situation. 3 to 4 feet—\$1.25.

**LARCH, European.** A tall and handsome deciduous conifer, with tapering trunk and pyramidal head. Particularly beautiful in early spring, when covered with soft and feathery foliage of a delicate green. Its plummy foliage and drooping twigs give it a very graceful effect. 3 to 4 feet (**B. & B.**)—\$2.75.

**LINDEN, American.** A stately tree, growing 60 to 80 feet tall, with large, shining cordate leaves. Valuable for its beautiful white wood. Its flowers appear in July. 6 to 8 feet—\$2.00; 8 to 10 feet—\$2.50.

**LOCUST, Black.** A native tree of large size, and rapid growth. Flowers in long white racemes, very fragrant. Valuable for timber.

4 to 6 feet—75 cts.; 6 to 8 feet—\$1.00.

**OSAGE ORANGE.** A medium sized spiny tree with spreading branches; rather large fern-like leaves of bright green which change to yellow in fall. Flowers are inconspicuous, but the succeeding orange-like fruits are attractive. It is chiefly utilized as a close, thorny, stock-turning hedge plant and allowed to grow fairly tall.

**By express**—1 year—\$1.25 per 100; \$10.00 per 1,000.

**By mail**—\$1.75 per 100.

**It takes years for Trees to grow  
Buy NOW while prices are low.**



MAGNOLIA

**Acuminata** (Cucumber Tree). A beautiful pyramidal tree, attaining a height of from 50 to 80 feet with 6 to 9 inch bluish-green leaves.  
4 to 5 feet—\$2.00; 5 to 6 feet—\$2.75; 6 to 8 feet—\$3.75.

**Tripetala**. Named from the whorled arrangement of its great, glossy leaves. The white flowers, also of great size, open in June and are followed by rose-colored fruit cones. Tree grows to 40 feet. 3 to 4 feet—\$2.00.

The following varieties are "Balled and Burlapped," and on account of extra weight should ship by freight.

**Glauca** (Sweet Bay). When planted in moist soil this makes a handsome tree 30 to 40 feet high, but in the drier lawns is much smaller. Its broad leaves are glossy, laurel-like, almost evergreen. In June its large, waxy white flower-cups are lovely and exquisitely fragrant.  
2 to 3 feet—\$3.00; 3 to 4 feet—\$4.00; 4 to 5 feet—\$5.00.

**Stellata** (Stellata). A pretty dwarf form that opens its snowy, star-like flowers in April; earlier than any other Magnolia; the fragrance is pronounced and delicate.  
2 to 3 feet—\$10.00 each; 3 to 4 feet—\$15.00 each.

**Soulangeana**. One of the hardiest and finest. Its blossoms are from 3 to 5 inches across, cup-shaped, white and rosy violet, opening before its leaves which are massive and glossy.  
2 to 3 feet—\$6.00; 3 to 4 feet—\$8.00; 4 to 5 feet—\$12.00.

THE MAPLES—Acer

No shade tree is so well known, more generally planted or so popularly loved as the Maple. The rounded density and color richness of Norway and Schwedler prevail as specimens in spacious lawns; the Sugar lines up majestically along the road; the Silver finds occupation as quick shading for western exposures of porch or windows; the dwarf Japan type gives tone and color to lawn groups.

**Ash-Leaved** (Box Elder). A fine, rapid-growing variety with handsome, light green foliage and spreading head, very hardy; desirable for street planting and succeeds in many sections where other varieties do not thrive.

**Japan Red Leaved**. Rounded, dwarf trees seldom maturing to over ten feet, densely furnished to the ground with indented leaves of unrivaled brilliancy and charm. Their early and mid-summer aspect is vivid blood-red, which dulls to a bronzy purple-red towards fall. These are splendid foreground subjects in mixed groups or for solitary color blotches in the open lawn. (Illustrated on back cover.)



Norway Maple



Flowers of Magnolia Soulangeana; a Glorious Sight in Early Spring

PRICE OF MAPLES	Each	Per 10	Per 100
Ash-leaved, 6 to 8 feet.....	\$0.75		
" 8 to 10 feet.....	1.00		
" 10 to 12 feet.....	1.35		
" 1½ to 1¾ inch.....	2.00		
Japan Red Leaved (Balled and Burlapped), 1½ to 1½ feet.....	2.50		
1½ to 2 feet.....	3.50		
2 to 2½ feet.....	5.00		
Norway, 6 to 8 feet.....	2.25	\$20.00	\$175.00
" 8 to 10 feet.....	2.75	25.00	225.00
" 10 to 12 feet.....	3.50	32.50	300.00
" 1½ to 1¾ inch.....	4.50	40.00	
" 1¾ to 2 inch.....	6.00		
" 2 to 2½ inch.....	8.00		
Scarlet (Acer Rubrum), 6 to 8 feet..	3.00	25.00	
" " 8 to 10 feet..	3.75	35.00	
" " 10 to 12 feet..	5.00	47.50	
Schwedler's, 6 to 8 feet.....	3.00	27.50	
" 8 to 10 feet.....	4.25	40.00	
" 10 to 12 feet.....	5.50	50.00	
Siberian (Ginnala), 4 to 5 feet.....	1.25		
" 5 to 6 feet.....	1.75		
Silver-leaved, 6 to 8 feet.....	.60	5.00	40.00
" 8 to 10 feet.....	.90	8.00	60.00
" 10 to 12 feet.....	1.25	10.00	80.00
" 1½ to 1¾ inch.....	1.75	15.00	
" 1¾ to 2 inch.....	2.75		
" 2 to 2½ inch.....	3.75		
Sugar (or Rock), 6 to 8 feet.....	2.00	17.50	160.00
" " 8 to 10 feet.....	3.00	27.50	250.00
" " 10 to 12 feet.....	3.75	35.00	
" " 1½ to 1¾ inch.....	5.00	47.50	
" " 1¾ to 2 inch.....	6.50		
" " 2 to 2½ inch.....	8.50		
Tatarian, 4 to 5 feet.....	1.25		
" 5 to 6 feet.....	1.75		
Wier's Cut-leaved, 6 to 8 feet.....	1.00	9.00	
" 8 to 10 feet.....	1.40	12.50	
" 10 to 12 feet.....	2.00	18.50	
" 1½ to 1¾ inch.....	3.00		
" 1¾ to 2 inch.....	4.00		

**Norway**. Native of Europe; a large handsome tree, with broad, deep green, shining foliage. Very desirable for street, park or lawns. The Norway Maple characteristically makes the roundest head; is colored the deepest, coolest green; and furnishes the densest shade of the entire list of good trees. Very hardy; its growth is comparatively slow.

**Scarlet** (Acer Rubrum). A large tree with spreading branches. The earliest Maple to bloom, its beautiful red flowers appearing in late winter. In the fall, its leaves turn to the most brilliant shades of red and scarlet.

**Schwedler's**. The "Purple Norway" Maple's beautiful leaves attract attention at all seasons, but are especially fine in spring, when their gleaming red and purple contrasts brightly with the delicate green of other trees. In mid-summer, they are purplish green, in autumn golden yellow.



## MAPLES—Continued.

**Siberian** (A. Ginnala). More like a large shrub, with three-lobed leaves and flowers in long panicles. Foliage turns bright red in autumn. Sometimes substituted for the Japanese Maples.

**Silver.** A hardy rapid-growing, beautiful native tree of large size, valuable for producing a quick shade. Its leaves are good sized, rather deeply and irregularly indented, bright green above and silvery beneath, turning to bright yellow and bronze in the fall. It makes a broad, bulky, but pointed topped tree, getting to shading size quicker than any other variety.



Silver Maple

**Sugar (or Rock Maple).** This tree is chief-tain of its clan; straight, spreading, symmetrical, of grand proportions, often 120 feet in height and longer lived than most men who plant it. It grows well in all except damp, soggy soils, and roots deeply, allowing grass to grow close. Its bold leaves have very rich autumn tints of clear yellow and scarlet.

**Tatarian.** A choice variety; medium size, rounded form, thriving in damp soils if desired. Moderate grower but makes a handsome specimen. Foliage turns yellow in fall.

**Wier's Cut-Leaved.** A silver Maple with remarkable and beautifully dissected foliage. Of rapid growth; shoots slender and drooping; giving it a very densely furnished appearance clear to the ground.

## MOUNTAIN ASH

**American.** A small native tree, similar in all respects to the European type, but smaller in stature, flower and fruit. The foliage is strongly glabrous beneath, and the tree hardier in the far North. 5 to 6 feet—\$1.50; 6 to 8 feet—\$2.00.

**European.** A splendid broad-topped small tree which is distinctly beautiful and attractive whether as a single lawn specimen or as an element in any group association. The foliage is richly dark and lustrous, very similar in construction to the coarser Ferns. In late summer and far into winter, the greatest beauty and effectiveness centers in the great number of large, dense fruit clusters which gleam brilliantly red against the green of leaves, or brown of denuded branches. 5 to 6 ft.—75 cts.; 6 to 8 ft.—\$1.00; 8 to 10 ft.—\$1.50; 10 to 12 ft.—\$2.00.

**Oak-leaved.** Dark lobed, oak-shaped leaves, downy beneath. Produces berries freely, and although of radically different foliage, is just as showy and striking as the Ash-leaved type. 6 to 8 feet—\$1.25; 8 to 10 feet—\$1.75.

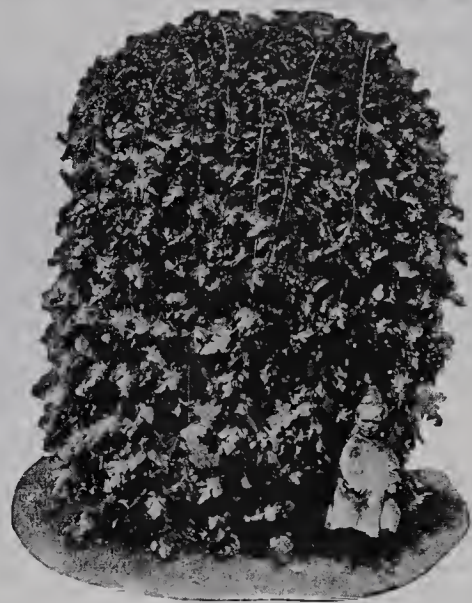


European Mt. Ash



SEE BIG SPECIAL OFFERS PAGES 4-7

## MULBERRY



**Tea's Weeping.** The most graceful hardy weeping tree in existence. Forms a perfect round tent-shaped head, with slender, leaf-studded branches drooping to the ground; the diameter of its leaf-screened bower about half the height. In light, airy gracefulness, delicacy of form and motion, it is without a rival. It has beautiful foliage, is hardy, safe and easy to transplant. Admirably adapted for small grounds, specimens or for cemetery planting. It is equally valuable and showy in a refined way, used as a medium tall screen against high walls, or to separate the garden and the lawn. Cutting back to the crown each year is beneficial. Grafted on stems 5 to 6 feet high. 1 yr. heads—\$1.90; 2 yr. heads—\$2.75.

## THE OAKS—Quercus

**Pin Oak.** Almost pyramidal in habit, and described as half-weeping when old, because its lower branches touch the ground. It grows faster and develops the family characteristics earlier than most Oaks. It grows 60 to 80 feet. The leaves are deep green, glossy, and finely divided. Orange-scarlet in fall. 6 to 8 feet—\$3.00; 8 to 10 feet—\$4.00; 10 to 12 feet—\$5.00.

**Red Oak.** A large tree, 80 to 100 feet tall, unusually large in leaf and quick in growth. The young shoots and leaf-stems are red, the foliage purplish crimson in Autumn. A most beautiful object on the lawn. 6 to 8 feet—\$3.00; 8 to 10 feet—\$4.00; 10 to 12 feet—\$5.00. 1½-1¾ inches—\$6.00; 1¾-2 inches—\$7.50.

**PEACH (FLOWERING).** A beautiful small tree rarely over 20 feet tall; at its blossoming time in May every twig and branch bright with beautifully formed flowers, rendering the tree showy and attractive even at a distance.

**Double Red, or Double White.**

2 to 3 feet—50 cts.; 3 to 4 feet—70 cts.; 4 to 5 feet—90 cts.

**PERSIMMON, American.** Very ornamental, with a round-topped head and handsome shining foliage. The puckery fruit is an inch or more in diameter, orange-yellow, with a bright cheek when touched by frost. 3 to 4 feet—\$1.50.

**PTELEA Trifoliata** (Hop Tree). Small trees, 15 to 25 feet high with glossy, trifoliate leaves that exhale a hop-like odor when bruised. This odor is even more noticeable in the seeds, which hang in hop like light green clusters far into autumn. 5 to 6 feet—75 cts.; 6 to 8 feet—\$1.00.



THE  
POPLARS  
—Populus

**Balsam** (Balm of Gilead).  
A remarkably rapid  
growing tree, with lux-  
uriant, glossy foliage.

**Bolleana** (Silver Leaf).  
Useful in breaking the  
monotony of lower  
round-topped trees.  
Will grow to a tall spire  
80 feet high. Its leaves  
are glossy green, silvery  
beneath, creating an at-  
tractive flashing effect  
when stirred by the  
winds. Often used in  
landscaping against  
blank wall spaces of  
high public buildings.

**Carollna.** A vigorous, native pyramidal tree of rapid  
growth, with large glossy leaves; valuable for quick  
shade. Makes a fine spreading head if well cut back the  
first few seasons.

**Lombardy.** The selective appreciation of trained land-  
scape builders is getting this fine type into much more  
general use. Old trees which were thoughtfully placed,  
are outstanding landmarks today; their great height,  
dense slenderness, and sombre silhouette against the  
skyline, a picturesque effect.



Lombardy  
Poplars



Ginkgo Tree (Salisburia)

**Simoni.** Of only  
medium height, al-  
though bushy and  
as rapid growing as other varieties. Foliage small, bluntly oval tapering  
toward the stem; very dark, lustrous green. The bark is uniquely stained  
with red on young trees and twigs, but matured specimens show up the main  
trunk very light colored, remindful of the Birches.



Rose Acacia



European Sycamore

PRICE OF POPLARS		Each	Per 10	Per 100
Balsam (Balm of Gilead),	6 to 8 feet.....	\$0.60	\$5.00	.....
" " " "	8 to 10 feet.....	.75	.....	.....
" " " "	10 to 12 feet.....	1.00	.....	.....
" " " "	1 1/2 to 1 3/4 inch.....	1.50	.....	.....
Bolleana (Silver Leaf),	6 to 8 feet.....	.90	8.00	.....
" " " "	8 to 10 feet.....	1.15	10.00	.....
" " " "	10 to 12 feet.....	1.50	13.50	.....
" " " "	1 1/2 to 1 3/4 inch.....	2.00	.....	.....
" " " "	1 3/4 to 2 inch.....	2.75	.....	.....
Carollna,	6 to 8 feet.....	.50	4.00	.....
" " " "	8 to 10 feet.....	.60	5.00	.....
" " " "	10 to 12 feet.....	.80	7.00	.....
" " " "	1 1/2 to 1 3/4 inch.....	1.25	.....	.....
" " " "	1 3/4 to 2 inch.....	1.75	.....	.....
Lombardy,	6 to 8 feet.....	.70	6.00	\$40.00
" " " "	8 to 10 feet.....	.90	8.00	60.00
" " " "	10 to 12 feet.....	1.20	10.00	75.00
" " " "	1 1/2 to 1 3/4 inch.....	1.50	.....	.....
" " " "	1 3/4 to 2 inch.....	2.00	.....	.....
" " " "	2 to 2 1/2 inch.....	3.00	.....	.....
Simoni,	6 to 8 feet.....	.70	6.00	40.00
" " " "	8 to 10 feet.....	.90	8.00	60.00
" " " "	10 to 12 feet.....	1.20	10.00	75.00
" " " "	1 1/2 to 1 3/4 inch.....	1.50	.....	.....

**ROSE ACACIA** (Moss Locust). An elegant shrub, with light green pinnate  
leaves and long graceful clusters of pea-shaped, rose-colored flowers in June  
and often later.

**Standard** (top worked): 3 feet—\$2.00; 4 feet—\$2.50.

**RUSSIAN OLIVE** (Elaeagnus Angustifolia). Useful in tall dense groups for  
sharp color contrasts. Tree attains a height of from 20 to 30 feet, bark dark  
green, foliage rich silver color, willow shape; flowers deep golden and very  
fragrant, followed by ornamental olive fruits.

2 to 3 feet, \$0.50 each; \$4.00 per 10. 4 to 6 feet, \$0.90 each; \$8.00 per 10.

3 to 4 feet, .60 each; 5.00 per 10. 6 to 8 feet, 1.50 each.

**SALISBURIA** (Ginkgo, or Maiden Hair Tree). A rare elegant tree from  
Japan with singular, almost fern-like foliage unlike that of any other tree; of  
free growth, with angular, independent branches each quite distinct and  
noticeable against the sky line.

5 to 6 feet—\$2.00; 6 to 8 feet—\$3.00.

**SYCAMORE, EUROPEAN.** The well-known Oriental Plane (Platanus Ori-  
entalis). Used in great numbers to create vistas of dense green shade, along  
new streets which require quick development of shade and ornamentation. A  
lofty, wide-spreading tree with deeply lobed palmate leaves; valuable for its  
handsome foliage, hardiness, and free growth. The bark is an attractive  
grayish green during the summer; but enough of it sheds during the winter  
to give an interesting mottled appearance as the smooth, creamy white trunk  
is revealed.

	Each	Per 10	Per 100		Each
6 to 8 feet....	\$1.35	\$12.50	\$100.00	1 1/2 to 1 3/4 inches.....	\$3.50
8 to 10 feet....	1.85	17.50	150.00	1 3/4 to 2 inches.....	4.50
10 to 12 feet....	2.25	20.00	175.00	2 to 2 1/2 inches.....	6.00

All our trees are selected with care, and are certain to give satisfaction



**TULIP TREE** (Whitewood). One of the grandest of our native trees; of tall pyramidal habit, with broad, glossy, fiddle-shaped leaves and beautiful, tulip-like flowers; allied to the Magnolia. Leaf color is clean, rather bluish-green shade which in fall turns brightest yellow. Flowers are 1½ to 2 inches long, light greenish yellow marked at inside base with orange; May or June.  
4 to 5 feet—75 cts.; 5 to 6 feet—\$1.00; 6 to 8 feet—\$1.50.

**WITCH HAZEL.** Valuable because its fringe-like yellow flowers open in November—when there are few other blossoms outdoors anywhere. Grows 10 to 15 feet tall, with fine leaves that color to yellow, orange or purple in fall and drop before the bright yellow flowers appear. Likes a moist sandy or peaty soil and partial shade.  
2 to 3 feet—70 cts.; 3 to 4 feet—90 cts.; 4 to 6 feet—\$1.25.

**YELLOW WOOD** (Virgilia Lutea). One of the most beautiful medium-sized native flowering trees, growing to 50 feet. It has a short trunk and wide, rounded head of handsome foliage that colors clear yellow in fall. In June it is showy and fragrant, with long, drooping racemes of white, pea-shaped flowers. 3 to 4 feet—\$1.75.

Flowering Thorns  
—Crataegus

Handsome dwarf trees with shiny leaves of attractive shape and color; blooming in profusion late in spring with compact clusters of small, rose-like flowers. These are followed by large red fruits and vivid autumnal colorings.

**Coccolnea** (Thicket Thorn). Single white flowers, followed by scarlet fruits. A fine small tree of densely branching growth, useful for creating impenetrable backgrounds. 3 to 4 feet—\$1.75.

**Cordata** (Washington Thorn). Branches upright, forming a round topped head, leaves heart-shaped. Flowers white with rose-colored anthers. 3 to 4 feet—\$1.75.

**Crusgalli** (Cockspur Thorn). Widely extended horizontal branches, give it a flat-topped effect. Flowers profuse, white with tinge of red, opening in May. 3 to 4 feet—\$1.75.

**Oxyacantha** (English Hawthorn). White flowers appearing when the leaves are nearly full grown, followed by conspicuous scarlet fruits. 3 to 4 feet—\$1.75; 4 to 5 feet—\$2.25.

**Paul's Double Scarlet.** Flowers deep crimson-scarlet; very double. This is one of the most attractive small trees for solitary specimens or groups, as showy in fruit as when in bloom. 3 to 4 feet—\$1.00; 4 to 5 feet—\$1.50; 5 to 6 feet—\$2.00.



Double Thorns



Russian Olive



Weeping Willows at Water's Edge

THE WILLOWS—Salix

Besides the beauty of their airy summer foliage, Willows with the brightness of their barks make cheery winter effect. Grow fast, and are adapted to many soils and uses.

PRICE OF WILLOWS		Each	Per 10	Per 100
Babylonica, 6 to 8 feet.....		\$1.00		
" 8 to 10 feet.....		1.35		
" 10 to 12 feet.....		1.75		
" 1½ to 1¾ inch.....		2.50		
" 1¾ to 2 inch.....		3.50		
Goat (S. Caprea), 6 to 8 feet.....		1.00		
Gold Bark, 6 to 8 feet.....		.70		
" 8 to 10 feet.....		.90		
" 10 to 12 feet.....		1.25		
" 1½ to 1¾ inch.....		1.75		
Laurel Leaved, 6 to 8 feet.....		.90		
" 8 to 10 feet.....		1.35		
" 10 to 12 feet.....		1.75		
Niobe (Golden Weeping), 6 to 8 feet.....		.90		
" 8 to 10 feet.....		1.35		
" 10 to 12 feet.....		1.75		
Pussy (S. Discolor), 4 to 6 feet.....		.75		
" 6 to 8 feet.....		1.00		
Rosemary, 3 to 4 feet.....		.75		
Royal (Silver Leaf), 4 to 6 feet.....		1.00		
" 6 to 8 feet.....		1.35		
ThurLOW (Elegantissima), 6 to 8 feet.....		1.00		
" 8 to 10 feet.....		1.35		
" 10 to 12 feet.....		1.75		
" 1½ to 1¾ inch.....		2.50		
" 1¾ to 2 inch.....		3.50		
Ural, 6 to 8 feet.....		1.00		
" 8 to 10 feet.....		1.35		
" 10 to 12 feet.....		1.75		
" 1½ to 1¾ inch.....		2.50		
Wentworth, 6 to 8 feet.....		.75		
" 8 to 10 feet.....		1.00		
" 10 to 12 feet.....		1.35		
" 1½ to 1¾ inch.....		2.00		
Wisconsin, 6 to 8 feet.....		1.00	\$9.00	\$75.00
" 8 to 10 feet.....		1.35	12.50	100.00
" 10 to 12 feet.....		1.75	16.50	150.00
" 1½ to 1¾ inch.....		2.50		
" 1¾ to 2 inch.....		3.50		

UPRIGHT WILLOWS

**Goat** (S. Caprea). Interesting small tree with brown twigs, oval leaves hairy underneath; catkins before leaves appear.

**Gold Bark.** Showy, with golden bark, conspicuous during winter.

**Laurel Leaved.** A splendid ornamental small tree, with large, glossy, dark laurel-like leaves, whence its name. May be well associated with the taller screening shrubs.

**Pussy Willow** (S. Discolor). A small tree with attractive leaves 2 inches long by an inch wide. Its popular appeal is the conspicuous silky catkins which bud in the fall, and make such delightful "springy" bouquets just as the snow is melting.

**Rosemary** (S. Rosemarinifolia). A beautiful short tree with slender branches and twigs, densely clothed with short, stiff, white tomentose leaves.

**Royal (or Silver Leaf).** A large tree, sometimes 100 feet high, with short, thick trunk and yellowish brown branches, the foliage a silvery ash gray.

**Wentworth.** Tall, rapid, upright; reddish bark.

WEEPING WILLOWS

**Babylonica.** A graceful tree of large size. Its fresh, bright green tint and long, wavy branches make it very attractive.

**Niobe** (Golden Weeping). Slender leaves, green above, silvery beneath; the twigs and bark a strong golden yellow, when young slightly tinged dark red. Of Russian derivation, it is the hardest gold-barked Willow for the far North; sturdily upholding the long lacy streamers which emphatically "weep."

**ThurLOW's.** Larger and more spreading than the Babylonian form, and hardier, but similar in foliage and grayish green bark.

**Ural.** Numerous arching branches with yellowish wood, the narrow green leaves very densely set.

**Wisconsin.** A babylonica with more slender leaves and hardier. This is the most generally planted variety, and makes immense broad-topped specimens.



HANDSOME  
ROOT-BALLED

## EVERGREENS

*to dress up your grounds in summer and winter**Note the  
tremendous  
cut in prices  
on all  
Evergreens*

**O**UR Evergreens are all carefully grown, at good distances for symmetrical development, are root and top-pruned into handsome, shapely specimens that will transplant successfully to new homes with ordinary care. We pack them so that the root-fibers are well protected and will reach their destination in good growing condition. If planters will continue this care to keep the fibers from drying out by exposure to air and sun until the stock is planted, success is reasonably sure.

**Planting season for spring from April 10 to May 15, for fall from about August 15 to October 10, depending on season and locality.**

**All Evergreen Trees will be carefully dug with ball of earth about the roots and tightly sewed in burlap and will stand transportation and transplanting with little risk of loss.** In planting it is not necessary to remove the burlap. Follow the planting chart shown below.

**Balled Evergreens are Heavy.** Please do not overlook the fact that Evergreen trees dug with a proper sized ball of earth, are very heavy compared to their size, and must be packed for safety in strong heavy boxes. This makes Express charges on long hauls often more than the cost of the trees. It is important, therefore, that you should state definitely how to ship.

**Maintenance.** When dry weather comes in the latter part of June, July, August and early September it is advisable to water newly planted evergreens, especially for the first two or three weeks after transplanting.

When watering becomes a necessity, do not water every day, but at intervals of once a week or ten days. A thorough soaking twice a week is far more beneficial than a daily sprinkling of the top soil.

## ARBOR VITAE—[Thuya]

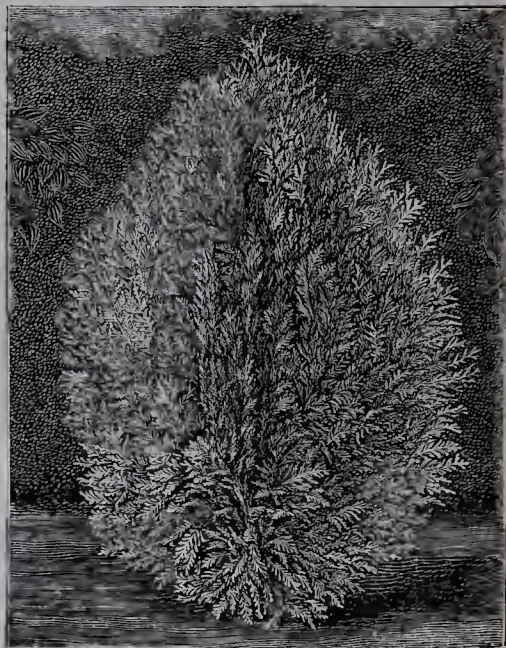
**American (White Cedar).** Erect, broadly pyramidal habit, with soft bright green foliage dense from ground up; grows rapidly and soon forms a most beautiful tree for any purpose. Like other types of Arbor Vitae, the American can be trimmed at will, or even closely sheared when sufficiently developed to present formal lines as a hedge.

2 to 2½ feet—\$1.50; 2½ to 3 feet—\$2.25; 3 to 4 feet—\$3.25; 4 to 5 feet—\$4.25; 5 to 6 feet—\$6.50; 6 to 7 feet—\$10.00.

Mail Size—35 cts.; 5 for \$1.25.

**Breckman's Golden.** A very compact, dense, slow-growing dwarf type valuable for foregrounds and edging. The flattened leaf-clusters face outwards edgewise, presenting a beautiful surface of vertical fluted lines. The color is that fresh, bright, yellow tone of green found in Hovey's Golden, but much brighter, and is always conspicuous.

12 to 15 inches, \$2.00; 15 to 18 inches, \$3.00.



Type of Breckman's, Hovey's, Oriental

**Compacta (Parsons).** Dwarf, dense little trees with light green foliage, neat and attractive. Useful for beds, borders, cemeteries or low growing hedges.

15 to 18 inches, \$1.50; 18 to 21 inches, \$2.00; 21 to 24 inches, \$3.00; 2 to 2½ feet, \$4.00.

Mail Size—50 cts.; 3 for \$2.25.

**Douglas Golden.** One of the hardiest. Broad bushy growth with slender branches and bright yellow foliage.

1½ to 2 feet, \$2.50; 2 to 2½ feet, \$3.25; 2½ to 3 feet, \$4.50.

**Ellwangeriana.** A low, broad tree with slender branches, and feathery gray-green foliage.

15 to 18 ins.—\$1.50; 18 to 21 ins.—\$2.00; 21 to 24 ins.—\$2.50.

**Ercoides.** (Heath-Leaved Arbor Vitae.) A very pretty, dense little shrub of the Tom Thumb type, adding a purplish shade during winter.

12 to 15 ins.—\$1.25; 15 to 18 ins.—\$1.50; 18 to 21 ins.—\$2.00.

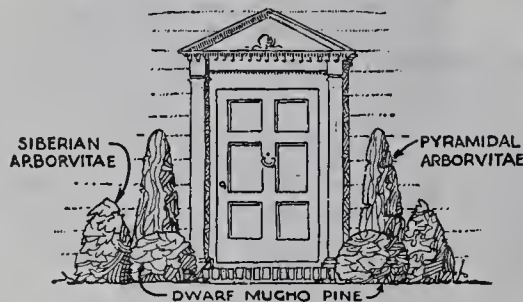
**Globosa.** Forms a dense, low, natural globe. Fine subjects for spacing at intervals along a foundation planting foreground, or to define driveway curves.

12 to 15 ins.—\$1.00; 15 to 18 ins.—\$1.50; 18 to 21 ins.—\$2.00.

Mail Size—50 cts.; 3 for \$1.25.

## S. &amp; H. DOORWAY OFFER

An effective evergreen planting of **HARDY VARIETIES** suitable for the doorway.



2 Dwarf Mugho Pines, 12-15 inches.....\$ 4.00  
2 Siberian Arbor Vitae, 18-24 inches..... 3.00  
2 Pyramidal Arbor Vitae, 3-4 feet..... 8.00

Catalog Prices.....\$15 00

OUR SPECIAL PRICE.....\$13.50  
Freight or Express Collect.

Arbor Vitae  
Pyramidalis

## How to Plant Evergreens

- ① Dig hole a foot larger and deeper than ball of earth. Provide good, loamy top soil to fill around ball.
- ② SET TREE IN HOLE TRIFLE LOWER THAN IT STOOD IN NURSERY
- ③ FILL GOOD TOP SOIL UP AROUND BALL. PACK FIRMLY WITH FEET OR SETTLE BY FILLING HOLE WITH WATER
- ④ LOOSEN BURLAP AT TOP OF BALL AND ROLL BACK OR CUT OFF
- ⑤ FILL HOLE WITH SOIL. PACK FIRMLY AND LEAVE TOP OF GROUND COVERED WITH LOOSE EARTH, OR BETTER MULCH WITH STRAWY WELL ROTTED MANURE



**ARBOR VITAE—Contd.**

**Hovey's Golden.** A beautiful small evergreen distinctive in shape and color, of valuable utility. It has the same leaf character and color described for Berckman's, but grows enough larger to make a splendid foundation screen beneath the house windows, or a medium filler between columnar trees. Its brilliant color harmonizes with all other types, and is conspicuous against either dark or light backgrounds.

15 to 18 inches—\$1.00; | 18 to 21 inches—\$1.50;  
21 to 24 inches—2.50; | 2 to 2½ feet—3.25.  
Mail Size—50 cts.; 3 for \$1.25.

**Lutea** (George Peabody). A moderate upright grower, the golden tinge diffusing itself deeply into the foliage. Much used to obtain color contrast.

1½ to 2 feet—\$2.00; | 2 to 2½ feet—\$2.75;  
2½ to 3 feet—3.75; | 3 to 4 feet—5.00.

**Oriental.** A comparatively low, broadly pyramidal tree, native of Asia. The closest rival to American Arbor Vitae in shape and utility. Its color is a refreshing yellowish green similar to Hovey's, although dulling to bronzy green in winter.

2 to 2½ feet—\$2.00; | 2½ to 3 feet—\$2.75;  
3 to 4 feet—4.00; | 4 to 5 feet—5.50.  
Mail Size—50 cts.; 3 for \$1.25.

**Pumila.** Dwarf, dense, formal acorn shape; very useful as low pointers on cemetery lots, garden beds or in the foreground of evergreen plantings. Color is luminous dark green.

15 to 18 inches—\$1.75; | 18 to 21 inches—\$2.75;  
21 to 24 inches—3.25.

**Pyramidalis.** A densely columnar type, most compact and erect of the entire species, at 12 feet high averaging 24 to 30 inches in diameter. Foliage a deep green, retaining color. The most popular pyramid for flanking the stoops in colonial architecture.

1½ to 2 feet—\$1.50; | 2 to 2½ feet—\$1.75;  
2½ to 3 feet—2.75; | 3 to 4 feet—4.00;  
4 to 5 feet—6.00; | 5 to 6 feet—9.00;  
6 to 7 feet—12.00.  
Mail Size—50 cts.; 3 for \$1.25.

**Siberian.** A superb hardy variety, somewhat similar to American, with heavier and fuller foliage and more compact habit; bears trimming well. This variety is extensively used for backgrounds in foundation plantings, where dense bushiness is required, rather than height. 1½ to 2 feet—\$1.50; | 2 to 2½ feet—\$2.00; 2½ to 3 feet—3.50; | 3 to 4 feet—5.00. Mail Size—50 cts.; 3 for \$1.25.

**Tom Thumb.** A very small, compact evergreen, with very fine feathery foliage of somewhat purplish hue. Makes a beautiful ornament for a small yard or cemetery lot; fine for low hedges.

12 to 15 inches—\$1.00; 15 to 18 inches—\$1.50.  
Mail Size—35 cts.; 3 for 75 cts.

**Vervaeana.** Erect habit and form like the American, with golden variegated foliage.

2 to 2½ feet—\$2.00; | 2½ to 3 feet—\$2.75;  
3 to 4 feet—4.00; | 4 to 5 feet—6.00.

**CYPRESS—Cupressus**

**Nutkaensis** (Nootka Sound Cypress). A choice broadly pyramidal evergreen with glaucous green (or slate blue) leaves and spreading, curving branches drooping at the tips. Perfectly hardy. 1½ to 2 feet—\$2.75;

2 to 2½ feet—\$3.75; 2½ to 3 feet—\$4.75.

**Triomphe de Boskoop.** Broader, more gracefully plummy leaves than Nutkaensis, and a bluer slate color; but unfortunately is not quite so rugged in the colder sections.

2 to 2½ feet—\$3.50; 2½ to 3 feet—\$4.50;  
3 to 4 feet—6.00.

**FIR—Abies**

**White Fir** (A. Concolor). A picturesque Colorado species; long leathery leaves, with glaucous tinge when young, becoming pale green with age. Branches arranged in horizontal whorls. A broad-based, tapering tree making a splendid specimen. 1½ to 2 feet—\$3.75;

2 to 2½ ft.—\$5.00. Mail Size—60 cts.; 3 for \$1.50.

**Douglas** (Pseudo-tsuga Douglasi). Very tall growing with red-brown bark. Leaves light green above, glaucous below. Of thickly conical form, spreading branches, and pendulous branchlets. Much used for lawn specimens.

2 to 2½ feet—\$2.75; 2½ to 3 feet—\$3.75;  
3 to 4 feet—5.00.

**Fir—Abies****HEMLOCK [Tsuga Canadensis]**

The best evergreen in heavy shade; and both beautiful and dependable wherever used. Its refined foliage is lacy, close-set and darkly lustrous, in rather flat fronds which droop gracefully. Although capable of great height, it is best known as a moderate grower adapted to severe pruning; used at corner; or as foundation screens; or in formally sheared high hedges.

2 to 2½ feet—\$2.00.  
2½ to 3 feet—4.00.  
3 to 4 feet—6.00.  
4 to 5 feet—9.00.  
5 to 6 feet—12.00.  
Mail Size—50 cts.;  
3 for \$1.50.



**TOP ROW:—A. V. Compacta, Dwarf Swedish Juniper, Ret. Pisifera Aurea, Mugho Dwarf Pine.**  
**BOTTOM:—J. Pfitzeriana, Irish Juniper Siberian A. V. Juniper Va. Glauca**

Enjoy the rich beauty of evergreen foliage twelve months of the year.





### Chinese and English Junipers **JUNIPER [Juniperus]**

**Canadensis.** A very hardy, dense, grayish-green type of especial value in rockeries and for ground covering. The main branches are usually numerous, and procumbent; well furnished with upright branchlets. Seldom over four feet high.

2 to 2½ feet—\$3.00; 2½ to 3 feet—\$4.00.

**Chinese (J. Chinensis).** One of the most ornamental Junipers for the lawn or garden.

Compact pyramidal or columnar outline, foliage of a pleasing grayish green color when fresh, maturing to real dark green. Adaptable to extremes of temperature and association with varying sorts; the best substitute for Pyramidal Arbor Vitae in doorway groupings.

2 to 2½ feet—\$4.00 | 2½ to 3 feet—\$5.00  
3 to 4 feet—\$6.00 | 4 to 5 feet—\$7.50  
5 to 6 feet—\$9.00

**Columnaris.** A beautiful cone-shaped variety of refined formality, the foliage a dark gray green.

2 to 2½ feet—\$4.00; 2½ to 3 feet—\$5.00.

**English.** Makes a loosely pyramidal specimen; foliage, grayish green.

2 to 2½ feet—\$2.50 | 2½ to 3 feet—\$3.50  
3 to 4 feet—\$4.50

**Greek (J. Excelsa).** Compactly columnar, making tall, handsome specimens of continuing fresh green color.

2 to 2½ feet—\$2.50 | 2½ to 3 feet—\$3.50  
3 to 4 feet—\$4.50

Mail Size—40 cts.; 3 for 90 cts.

**Splny Greek (J. excelsa stricta).** A distinct variety with a peculiar, blue-green shade of color. Dwarf, very dense, cone-shaped; slow growing and useful in foundation plantings or edging.

15 to 18 inches—\$2.75; 18 to 24 inches—\$3.75.

**Horizontalis.** A handsome, serviceable ground covering type of closely radiating habit, the foliage more thread-like and distended than in Tamariscifolia, yet denser and more prostrate than Waukegan; the color a fresh gray green. Sizes given mean spread.

15 to 18 inches—\$1.75 | 18 to 24 inches—\$2.75  
2 to 2½ feet—\$3.50 | 2½ to 3 feet—\$4.50  
Mail Size—60 cts.; 3 for \$1.50.

**Horizontalis Glauca.** Like the above except its color is a distinct bright steel blue.

1½ to 2 feet—\$2.75 | 2 to 2½ feet—\$3.50  
2½ to 3 feet—\$4.50 | Mail Size—60 cts.; 3 for \$1.50

**Irish.** Erect, slender and formal in habit; foliage sage green, very compact; making a splendid column eventually 15 to 20 feet high; much used in cemeteries.

1½ to 2 feet—\$1.50 | 2 to 2½ feet—\$2.75  
2½ to 3 feet—\$3.50 | 3 to 4 feet—\$4.00  
Mail Size—50 cts.; 3 for \$1.25.



Juniper Horizontalis admirably used along steps on slope

**Pfitzeriana.** One of the most striking of all evergreens. The branches progress spirally along the trunk at a 45-degree angle, thereby making a good "filler;" or standing alone, it acquires the symmetry of a broken column. The branches are long and whip-like, densely furnished, very dark green; the first new growth thickly studding the expanse like silver beads.

Either "Flat" or "Upright."

1½ to 2 feet—\$2.75 | 2 to 2½ feet—\$3.75 | 2½ to 3 feet—\$4.50

3 to 3½ feet—\$7.00 | 3½ to 4 feet—\$9.00 | Mail Size—60 cts.; 3 for \$1.50

**Savin.** Handsome moss green foliage; adapted to use as a filler in Evergreen groups, or as a dwarf ground cover.

1½ to 2 feet—\$3.00 | 2 to 2½ feet—\$3.75 | 2½ to 3 feet—\$5.00

3 to 3½ feet—\$6.50 | Mail Size—60 cts.; 3 for \$1.50

**Swedish (J. Suecica).** Tall growing, of formal, columnar habit. One of the hardiest and most reliable pillar types. The foliage is dense, fairly broad, with drooping tips; in color glaucous green somewhat lighter and bluer than the Irish Juniper.

2 to 2½ feet—\$2.50; 2½ to 3 feet—\$3.75; 3 to 4 feet—\$4.25; 4 to 5 feet—\$6.50.  
Mail Size—50 cts.; 3 for \$1.25.

**Dwarf Swedish (J. Suecica Nana).** A dwarf variety, compact in habit, hardy; foliage light green, not changing in winter.

1½ to 2 feet—\$1.50 | 2 to 2½ feet—\$2.25 | 2½ to 3 feet—\$3.00

3 to 3½ feet—\$4.00 | Mail Size—50 cts.; 3 for \$1.25

**Tamariscifolia (Tamarix-leaved).** A beautiful trailing form of Savin, with bluish green foliage. The construction is dense and very fine like the Tamarix foliage, especially attractive when showing new growth. **Spread:**

15 to 18 inches—\$2.25; 18 to 24 inches—\$3.25; 2 to 2½ feet—\$4.25.

**Virginiana (Red Cedar).** A well known American tree, with fine, dense foliage, varying in habit and color, the majority being formal and bluntly conical. Makes a fine, tall tree for planting on each side of an entrance or in back of low growing varieties.

1½ to 2 feet—\$1.50 | 2 to 2½ feet—\$2.00 | 2½ to 3 feet—\$3.50

3 to 4 feet—\$4.00 | 4 to 5 feet—\$5.00 | Mail Size—50 cts.; 3 for \$1.25

**Virginiana Cannarti.** A newly derived type resembling Schotti in leaf and character, midway in color between the pronounced yellowish green of that variety and the darkness of Virginiana.

2 to 2½ feet—\$3.75.

2½ to 3 feet—4.75.

3 to 4 feet—6.00.

**Va. Elegantissima (Gold-tip Cedar).** A thickly columnar tree of deliberate growth, the side branches gracefully curving. At all times of attractive color, its early summer aspect when clothed with the long white-gold tips of new growth, is superb. These change eventually to bronze green. 2 to 2½ feet—\$4.00.

**Virginiana Glauca (Blue Cedar).** Unlike so many varieties it is not at all formal, but without losing general compactness, its irregularity of spread is uniquely attractive; the broadly conical form and beautiful glaucous blue foliage making it one of the choicest of all Junipers.

2 to 2½ feet—\$3.75.

2½ to 3 feet—4.75.

3 to 4 feet—6.00.

4 to 5 feet—8.50.

**Virginiana Schotti.** A densely columnar form of the Red Cedar with yellowish bronze green foliage of feathery texture. The extra abundant blue berries are very attractive.

2½ to 3 feet—\$4.75.

3 to 4 feet—6.00.

4 to 5 feet—8.50.



Red Cedar



## RETINOSPORA

**Fillifera.** The leading shoot grows upright but the thread-like branches are nearly horizontal, with long, drooping, tasseled ends. Bright green, against red-brown bark.

1½ to 2 ft.—\$2.50; 2 to 2½ ft.—\$3.50; 2½ to 3 ft.—\$4.50; 3 to 4 ft.—\$5.50.

**Fillifera Aurea.** A bright gold tipped form of above.

15 to 18 inches—\$4.00; 18 to 24 inches—\$5.00.

**Obtusa Nana Compacta.** Finest of the family in refined leaf character; of dwarfest, densest, slowest growing habit; and greatest depth of color.

8 to 10 inches—\$2.50; 10 to 12 inches—\$3.25.

**Pisifera.** Open and tall in growth, with erect branches pendulous at tips foliage feathery, light green, glaucous beneath.

2 to 2½ ft.—\$2.50; 2½ to 3 ft.—\$3.25; 3 to 4 ft.—\$4.25; 4 to 5 ft.—\$5.25

**Pisifera Aurea.** A bright golden evergreen, that holds its color; foliage light and airy. Fine for groups or specimens.

2½ to 3 feet—\$3.00; 3 to 4 feet—\$4.00. 4 to 5 feet—\$5.50.

**Plumosa.** An exceedingly handsome, dome-shaped evergreen of medium tall growth, from Japan; with billowing, light green foliage.

1½ to 2 ft.—\$1.50; 2 to 2½ ft.—\$2.00; 2½ to 3 ft.—\$3.00; 3 to 4 ft.—\$4.50; 4 to 5 ft.—\$6.00. Mail Size—50 cts.; 3 for \$1.25.

**Plumosa Aurea.** Like the preceding, a plant of great beauty; foliage soft plume-like, of a golden yellow color; close and compact habit.

1½ to 2 ft.—\$1.50; 2 to 2½ ft.—\$2.00; 2½ to 3 ft.—\$3.00; 3 to 4 ft.—\$4.00; 4 to 5 ft.—\$6.00. Mail Size—50 cts.; 3 for \$1.25.

**Squarrosa Velitchii.** Dense, rounded, bubbling growth; the silvery blue foliage arranged in soft spirals which give the impression of boiling over. Should be used on the shaded side of house or group for protection against sunburn. 1½ to 2 feet—\$2.00; 2 to 2½ feet—\$2.50; 2½ to 3 feet—\$3.50; 3 to 4 feet—\$4.75. Mail Size—60 cts.; 3 for \$1.50.

## PINE {Pinus}

**Austrian (P. Austriaca).** Broadbased, heavily needled, massive; darkest and richest green of the Pines, silhouetting to inky blackness against the skyline. Quite densely and evenly branched, well furnished with attractive tufts of foliage, the new growth erect and silvery like candles set along the twigs. It is hardy, and vigorous in growth although maintaining compactness, and must be used only in locations allowing tall growth and considerable spread. Withstands city smoke better than any other conifer.

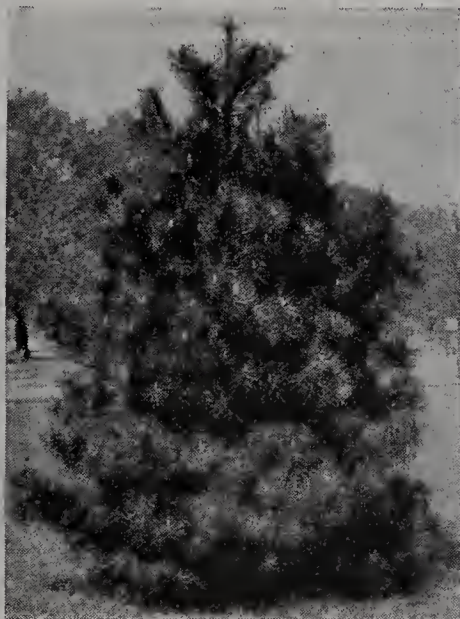
2 to 2½ ft.—\$2.75; 2½ to 3 ft.—\$3.75; 3 to 4 ft.—\$5.00; 4 to 5 ft.—\$8.00. Mail Size—50 cts.; 3 for \$1.25.

**Mugho (P. Montana Mughus).** The only genuine **Dwarf Pine**. Leaves short, stiff, and formal, thickly distributed in tufts over the branches in a crowded way somewhat similar to Austrian, with an equal depth and richness of color. Does not grow tall, but spreads out, generally assuming a globular form; very dense. Popular in the foreground of foundation plantings, and in pairs for punctuation.

12 to 15 inches—\$2.00; 15 to 18 inches—\$2.75; 18 to 24 inches—\$3.75. Mail Size—50 cts.; 3 for \$1.25.



White Pine



Scotch Pine



Mugho Pine



Retinospora Pisifera Aurea

**Ponderosa (Bull Pine).** A thick trunked tree capable of extreme height. The branches are wide-spread and often pendulous; rough bark cinnamon-red; leaves pointed, dark green, 5 to 11 inches long; cones clustered, 3 to 6 inches long. A fine massive specimen tree.

2 to 2½ ft.—\$2.75; 2½ to 3 ft.—\$3.75; 3 to 4 ft.—\$5.00.

**Red Pine (P. Resinosa).** Hardest ornamental Pine as to soil and coldness; of massive character, round-topped at maturity, well fitted to bold landscape effects. Resembles Austrian but has more slender, softer, denser needles, dark green without glare; stubby russet-brown cones.

2 to 2½ ft.—\$3.00; 2½ to 3 ft.—\$4.00; 3 to 4 ft.—\$6.00.

**Scotch (P. Sylvestris).** Like the Austrian, its quick, strong growth makes it valuable for protective screens; very hardy. As a rule it grows taller than Austrian, with softer needles, and shows a hint of reddish brown in its bark and forming cones.

2 to 2½ ft.—\$2.00; 2½ to 3 ft.—\$2.75; 3 to 4 ft.—\$3.75; 4 to 5 ft.—\$5.00; 5 to 6 ft.—\$7.50; 6 to 8 ft.—\$10.00. Mail Size—50 cts.; 3 for \$1.25.

**White (P. Strobus).** A strong featured, rapid growing tree; with abundant silvery-green foliage, in long swaying clumps of soft needles. Attains great height and picturesque spread with age. 2½ to 3 ft.—\$3.25; 3 to 4 ft.—\$4.75; 4 to 5 ft.—\$6.50; 5 to 6 ft.—\$8.50; 6 to 8 ft.—\$11.00.





Colorado Blue Spruce



Norway Spruce

SPRUCE [Picea]

**American White** (P. Alba). One of the very best conifers, especially for cold climates. Compact, upright growing, long lived, retaining its branches to the ground, aromatic, drought-resisting; varies in color from light green to glaucous blue. 1½ to 2 feet—\$1.75; 2 to 2½ feet—\$2.25; 2½ to 3 feet—\$3.00; 3 to 4 feet—\$4.00; 4 to 5 feet—\$5.50. Mail Size—40 cts.; 3 for 90 cts.

**Colorado** (Pungens). The origin of the famous Blue Spruce. A vigorous grower and hardy, making fine specimens in a broad based, sharply defined pyramid form; foliage rigidly angular with sharp needles very densely set. **Light green** color. 1½ to 2 feet—\$2.00; 2 to 2½ feet—\$2.50; 2½ to 3 feet—\$3.25; 3 to 4 feet—\$5.00. Mail Size—50 cts.; 3 for \$1.25.

**Colorado Blue** (Pungens Glauca). A selected blue shade, from foregoing. This is one of the showiest and most impressive evergreens, surpassed only by the grafted Koster's Blue Spruce. 1½ to 2 feet—\$4.50; 2 to 2½ feet—\$6.00; 2½ to 3 feet—\$8.00. Mail Size—75 cts.; 3 for \$2.00.

**Koster's Blue.** The aristocrat of the evergreen family, by far the shapeliest Spruce, and the truest, most persistent blue in color of any known tree. Formerly imported from Europe, but now again in American trade by American propagation. 12 to 15 inches—\$4.00; 15 to 18 inches—\$5.00; 1½ to 2 feet—\$6.50; 2 to 2½ feet—\$8.50; 2½ to 3 feet—\$12.00.

Plant a Living Christmas Tree

What could be more cheery in the winter landscape than a living Christmas tree—aglow with colorful lights and sparkling snow crystals? Plant your living Christmas tree now. It will be a pleasure to watch it grow up with your children. We recommend White Spruce, Green Colorado Spruce and Douglas Fir as suitable varieties for a living Christmas tree, in addition to the customary Norway Spruce.

**Engelmanni.** Tall growing pyramids, slender when young, dense in symmetrical whorls to the ground; color a restful blue-green.

1½ to 2 feet—\$2.75; 2 to 2½ feet—\$3.75.

**Norway.** A lofty, noble tree of open, pyramidal habit, exceedingly picturesque. Very popular and effective in evergreen groups, and one of the best evergreens for hedges. Its color is normally a good rich, dark green, but when the new spring growth lights up the branches, the tips are silvery blue, very conspicuous and showy against the background of the older needles. Norway Spruce is the variety most commonly used for Christmas trees.

	Each	Per 10
1½ to 2 feet.....	\$1.25	\$10.00
2 to 2½ feet.....	1.75	15.00
2½ to 3 feet.....	2.25	20.00
3 to 4 feet.....	3.00	27.50
4 to 5 feet.....	4.25	.....
5 to 6 feet.....	6.50	.....
6 to 7 feet.....	8.50	.....
Mail Size—35 cts.; 5 for \$1.25.		

YEW [Taxus]

**Cuspidata.** The beautiful Japanese Yew of moderate bushy growth, the upright-spreading branches densely clothed with short leaves of dull green; hardiest of all Yews in this country, and a refined evergreen. 15 to 18 inches—\$3.50.

**Cuspidata Brevifolia.** A very handsome, dwarf and compact form of the Japan Yew, with short, richly dark green leaves, dense bushy habit. Hardy, close set; slow-growing, it is one of the best dwarf evergreens for edging and foreground. 12 to 15 inches—\$3.75; 15 to 18 inches—\$4.50.

BARGAINS IN ALL KINDS OF PLANTS Pages 4-7



Arborvitae, Junipers, Spruce and Yew in a pleasing foundation planting. The ground cover is Pachysandra  
Use Evergreens to screen out buildings or views that are unpleasant to see in winter



# FRUIT TREES Highest Quality True to Name

**Buy Fruits Now While Prices are Down**



Home-Grown Fruit Always Tastes Better

**B**ACK in '54, and for many succeeding years, Fruit Trees and Small Fruits were the nucleus of our business. Today, they are still a very important element in our departmental organization, occupying several hundred of the 1500 acres in our plantation. But we have radically reduced our propagating lists of varieties. Many a good old variety has been so much improved, it would seem useless to continue offering the original type; consequently we have abandoned sentiment in favor of utility. Our lists of Fruit Trees now represent the survival of the fittest, augmented by the best-proved modern introductions.

**PRICES:** Spring of '32 is a Buyer's Opportunity. Conditions have turned back the Nurseryman's calendar about 20 years! You can today plant Fruits for your children at practically the same cost your fathers invested for you.

**QUOTATIONS.** We would be pleased to quote prices to anyone desiring different varieties or stock in larger quantities than offered herein. In sending list, state definitely the number of each variety and size wanted.

**CERTIFICATE OF INSPECTION** issued annually by the Ohio Dept. of Agriculture, showing freedom of our stock from San Jose Scale and other injurious insects and disease, will be attached to every shipment.

**SUBSTITUTION.** We reserve the right, in case we are out of a variety, to substitute another of equal merit when it can be done (always labeling with correct name)—unless the party ordering says "No Substituting," in which case we will fill order as completely as we can and refund balance of remittance.

**Terms:** Net cash with order. No discounts allowed. In the various classes, we will furnish 5 or more of one variety and size at 10 rate; 25 or more at 100 rate; 250 or more at 1000 rate. REMEMBER THAT WE EMPLOY NO AGENTS, and are responsible only for orders sent to us through the mail or delivered in person.

**SEE PAGE 3.** You will find us always meeting you half-way for consideration of any cause for complaint or adjustment. However, as a legal safeguard, we must again refer you to our standardized NON-WARRANTY clause under general Terms for this entire catalog, on page 3.

## APPLES

Where Apples are grown solely for home use, a wide range of varieties may be selected; and the extensive list of distinct kinds offered in our catalog afford the choicest varieties in all desirable types; and covering the entire range of ripening seasons.

With the proper selection of varieties and intelligent cultivation, there is no reason why the orchardist who makes a specialty of Apples should not have a business yielding him larger returns for the money and labor invested than almost any other horticultural industry.

**MATURITY.** Following description, we indicate the month of ripening according to New York State Experiment Station.

**FILLERS.** Most commercial orchards are now planted with standard varieties, 40 feet apart each way. Quick, upright growing, early maturing varieties are used as fillers, planting between standards to make 20 feet apart; fillers to be removed when the standard trees require the room (12 to 18 years). This requires 28 standard and 82 fillers to the acre.

**We recommend for fillers:** Yellow Transparent, Duchesse of Oldenburg, Wealthy, Grimes Golden and McIntosh.

### SUMMER APPLES

**Bough.** Large, pale yellow; tender, sweet. Aug.  
**Early Harvest.** Medium, pale yellow, tender, juicy. Aug.  
**Golden Sweet.** Large, pale yellow, very sweet. Aug.  
**Red Astrachan.** Large, beautiful deep crimson. July.  
**Yellow Transparent.** Earliest, and best of the early kinds; white, tender, juicy, sprightly, sub-acid. July.

Autumn and Winter Apples Next Page



Yellow Transparent Apples

### For Your Information

#### Age of Bearing — Space Required — Etc.

As the age of bearing depends so much upon variety, soil, climatic conditions and care given, this can only be an approximate table under average conditions. To ascertain the number of trees or plants required for any given space, multiply the length of the space by the breadth to ascertain the number of square feet contained therein. Then multiply the distance apart you intend to set your rows by the distance between each tree or plant in the row to get the number of square feet each tree or plant will take. Divide the number of square feet in the given space by the number of square feet each tree will require and the result is the quantity of trees or plants required for that given space.

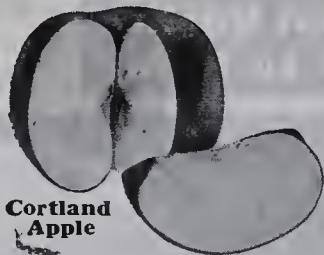
	Age of Bearing	Distance Apart	Number per Acre
Apples, Std.....	3 to 10 years	35x35 ft.	35
Apricots.....	3 years	15x15 ft.	193
Blackberries.....	1 year	8x 6 ft.	907
Cherries—			
Sour.....	3 to 4 years	15x15 ft.	193
Sweet.....	3 to 4 years	20x20 ft.	108
Currants.....	2 years	4x 4 ft.	2722
Gooseberries.....	2 years	4x 4 ft.	2722
Grapes.....	2 years	8x 8 ft.	680
Peaches.....	2 years	15x15 ft.	193
Pears—			
Standard.....	3 to 4 years	20x20 ft.	108
Dwarf.....	2 years	10x10 ft.	435
Plums.....	3 to 4 years	20x20 ft.	108
Quinces.....	4 to 5 years	10x10 ft.	435
Raspberries.....	1 year	6x 4 ft.	1815
Rhubarb.....	1 year	4x 3 ft.	3630
Strawberries—			
Farm.....	1 year	4x 1 ft.	10890
Garden.....	1 year	2x 1 ft.	21780

PRICE OF APPLES	Each	Per 10	Per 100
<b>Standard Varieties:</b>			
5 to 7 ft.....	\$0.60	\$4.50	\$32.50
4 to 5 ft.....	.50	4.00	27.50
3 to 4 ft.....	.35	3.00	17.50
Mail Size—45 cts. each; 3 for \$1.20.			
<b>Dwarf Apples (See list):</b>			
4 to 5 ft.....	.75	6.00	40.00



S &amp; H Co.

# "Family" APPLE GROUP

Cortland  
Apple

A selection of choice varieties for family use—  
Summer, Fall and Winter varieties.

**Yellow Transparent**

**Duchesse**

**Stayman's Winesap**

**Rhode Island Greening**

**Cortland**

**The 5 TREES**

**By EXPRESS (Charges collect) for**

No. 1 Size

New

List Price

\$3.00

**\$2.48**



**Duchesse of Oldenburg**



**DELICIOUS**



**Jonathan**

## AUTUMN APPLES

**Duchesse of Oldenburg.** Good size, yellow, streaked red, juicy, rich. sub-acid, productive. Bears young. Aug.

**Fall Pippin.** Large, yellow, rich, aromatic. Oct.

**Fameuse (Snow).** Medium, deep crimson, flesh white. Oct.

**Gravenstein.** Large, striped, fine quality; one of the best. Aug.

**Maiden Blush.** Large, beautiful blush cheek. Sept.

**Rambo.** Medium, yellow, streaked red. Oct.

**Western Beauty.** Large, shaded bright red on pale yellow; crisp, tender, mild, sub-acid. Sept.

**Apple  
PRICES  
on Page 125**

## WINTER APPLES

**Baldwin.** Large, bright red, crisp, juicy, rich. Dec.

**Banana.** Fine, vigorous grower, large healthy foliage, early bearer. Fruit medium to large, smooth and handsome, golden yellow usually shaded bright crimson; flesh fine grained, rich sub-acid, aromatic, highest quality. Nov.

**Cortland.** A derivation from McIntosh, two to four weeks later; the tree hardy, thrifty, early producing and long lived. The abundant large, round fruits are attractive to the eye with their heavy overlay of shaded reds; and delightful to the taste with their brittle texture, luscious juiciness, and sprightly flavor. Nov.

**Delicious.** Fruit large, nearly covered with brilliant dark red, flesh fine grained, crisp and melting, juicy with a delightful aroma; of very highest quality. A splendid keeper and shipper. A regular annual bearer. Nov.

**Grimes.** Good size, yellow, productive, of highest quality. Nov.

**Jonathan.** Medium, red, extra quality. Nov.

**King (of Tompkins County).** Large, striped, productive. Nov.

**McIntosh.** Medium, deep crimson, highest quality, juicy, sub-acid. Oct. (See color illustration on color page G).

**Northern Spy.** Large, striped, mild sub-acid and tender, with a rich, delicious flavor. Dec.

**Northwestern (Greening).** Hardy, yellow; rich, of good size, extra keeper. Jan.

**Opalescent.** Light, shading to very dark crimson; skin smooth, susceptible of a very high polish; flesh yellowish, tender, juicy and good. Oct.

**Red Spy.** A distinct new type of Northern Spy. No better to eat, but more appealing to look at, the red being washed on solid instead of in streaks. Of superior market value. Dec.

**Rhode Island Greening.** Large, greenish yellow, tender, juicy, rich acid. Nov.

**Rome Beauty.** Large, yellow, shaded red; tender, juicy, sub-acid. Dec.

**Smokehouse.** Revived for old times' sake. Fruit medium size, borne young; color mainly yellowish green, variably mottled or streaked dull red, with carmine dots. Flesh yellow, fine, crisp, tender, juicy, sub-acid, good. Oct.

**Stayman.** Improved Winesap, larger and more prolific. Dec.

**Tolman (Sweet).** Medium, yellow and red, rich. Nov.

**Turley.** An improved Stayman (which has long stood as the best Winesap); no larger, but of deeper color, more piquant flavor, and a heavier cropper. Dec.

**Wagener.** Good size, deep red in the sun; flesh firm, sub-acid, excellent quality. One of the first varieties to bear. Nov.

**Wealthy.** Hardy, productive, good quality; white fleshed, juicy and vinous; medium size, smooth, round, deep red. Sept.

## CRAB APPLE

For preserving, jellies, table fruits, cider and ornament: The trees usually bear the second season after planting.

**Hyslop.** Large, deep crimson; most beautiful Crab; very popular. Sept.

## DWARF APPLES

**Low growing and low branched; stocky and sturdy**

Set trees 8 to 10 feet apart. Very productive, usually commence bearing the second year after planting. Adapted to yard and small gardens.

Can furnish: **Baldwin, Delicious, Maiden Blush, McIntosh, Red Astrachan, Wealthy and Yellow Transparent—only.**



**Big Apples on a Little Tree**

**Eat Apples for health—grow Apples for pleasure and profit**



# PEARS



Flemish Beauty

- Clapp. Very large, yellow and dull red, with russet specks. Melting, rich. Aug.
- Tyson. Medium, melting, juicy, good. Aug.
- Wilder. Small to medium, yellow, shaded carmine, fine grained, tender, sub-acid. Vigorous grower. Early Aug.

## AUTUMN PEARS

- Anjou. Large, buttery, melting, rich vinous. Late fall and early winter variety. Oct. to Jan.
- Douglas. A recent introduction of supreme value to fruit-growers, because it is "blight proof" and "frost proof." Otherwise, the fruit is large, roundish, smooth, of attractive beauty. Its thin but protective skin is golden yellow flecked with russet, and thickly blushed scarlet on the sunny side. Flesh is whitish, fine grained, tender; a small core with few seeds. Flavor is sweet, but with a piquant acidity; juicy and melting. The tree is rugged, and vigorous as Kieffer.
- Duchesse (of Angouleme). Very large, buttery, rich, juicy. The most popular market variety as a dwarf. It is best to pick them before maturity, wrap in tissue paper, and rack away for complete ripening. Oct. and Nov.
- Flemish. Large, juicy, rich; one of the hardiest trees and most enjoyable fruits. Sept.-Oct.
- Garber. One of the Japan Hybrids; hardy, productive, early bearer. Sept. and Oct.
- Howell. Large, yellow, with red cheek, rich, sweet, melting, early bearer, productive. Oct.
- Kieffer. Large size, handsome appearance and remarkable keeping and shipping qualities. Oct.

PEARS will grow on almost any good soil but thrive best in a rather heavy clay or loam. Standards planted 18 to 20 feet apart are best for permanent orchards; dwarfs at 10 foot intervals, for fruit gardens on small lots. Dwarfs must be planted deep enough to cover the junction of pear and quince 2 or 3 inches. We show the maturity, or ripening month.

## SUMMER PEARS

- Bartlett. Large, buttery, juicy, high-flavored, great bearer; very popular both for eating out of the hand and for canning. Sept.

- Rossney. Large fruits; creamy skin with crimson blush, flesh melting, juicy, sweet, vigorous and productive. Oct.
- Seckel. Small; skin yellowish brown with deep brownish red cheek; flesh very fine grained, sweet, one of the richest and highest flavored pears known. Equally popular for dessert and pickling. Oct.
- Sheldon. Medium size; yellow with a richly shaded cheek; flesh a little coarse, melting, juicy, with a brisk, vinous flavor; of first quality. Oct.
- Worden. A seedling of the Seckel, equal in quality and production, while in flavor, size, color, form and appearance it is decidedly superior. Oct.

## WINTER PEARS

- Bosc. Finest quality; extra large, long and tapering; russet; good shipper, brings highest market price. A vigorous grower. Oct.-Nov.
- Lawrence. Medium, yellow with brown dots, melting, pleasant, aromatic. Nov.-Dec.

## DWARF PEARS

"Dwarf" Pears are budded on hardy Quince stocks. The tree is of short, compact growth to take up little yard space, low-branched for easy picking, and begins to bear sooner than the standard trees. We can furnish the following varieties only:

- Anjou
- Bartlett
- Clapp
- Duchesse
- Howell
- Kieffer
- Seckel

PRICE OF PEARS	Each	Per	Per
		10	100
<b>Standard</b>			
General List: 5 to 7 ft. ....	\$0.65	\$5.00	\$35.00
“ “ 4 to 5 ft. ....	.55	4.00	30.00
Douglas, and Bosc:			
5 to 7 ft. ....	.75	6.00	45.00
4 to 5 ft. ....	.65	5.00	35.00
Seckel, and Worden: 4 to 5 ft.	.65	5.00	35.00
<b>Dwarf Pears—See List:</b>			
4 to 5 ft. ....	.65	5.00	35.00
3 to 4 ft. ....	.55	4.00	30.00
Mail Size <b>Standard</b> , 50 cts.; 3 for \$1.25.			
Mail Size <b>Dwarf</b> , 50 cts.; 3 for \$1.25.			



Duchesse Pear





# PEACHES

**T**HRIFTY orchards of virile, well-grown Peach trees have done much to bring wealth to many a farmer in the great Peach belts of Ohio and Michigan; and serve as living memorials to the virility, health and quality of the nursery stock sent out by "The Painesville Nurseries." Our nurseries have been the main source of supply during half a century, for hundreds of the finest Peach Orchards in the country. Aside from the established policy of propagation, care and cultivation, the location of our propagating fields, close to and overlooking the health-giving waters of Lake Erie, and far removed from old orchards which might spread infection, probably has much to do with the unbounded success and popularity of our salable trees. Trees are all perfectly healthy, well ripened wood, with splendid roots; all stored in frost-proof cellars beyond injury during the winter. **Set trees 16 to 18 feet apart.**

Ripening dates given are approximate; subject to the modifying conditions encountered by each year's crop.

**Admiral Dewey.** Good form and color; hardy, productive, earliest, and best early yellow freestone. July.

**Banner.** Fruit deep yellow with crimson cheek; flesh yellow, good quality, rich, firm; equal to any as a keeper and shipper. Late September.

**Barnard.** Medium, yellow, juicy and rich. Hardy and productive. Early September.

**Beers.** A large, yellow-flesh peach, an improvement on Smock Free, which it resembles. Late September.

**Belle (Belle of Georgia).** Very large, skin white with red cheek; flesh white, firm and of excellent flavor. Ripens with Crawford's Early. August-September.

**Capt. Ede.** A handsome, large yellow peach of excellent quality; hardy in bud and blossom. Early September.

**Carman.** A beautiful, round, medium-sized peach, leading the white-fleshed class. Color creamy white or pale yellow with deep blush; skin very tough, flesh tender, and quite juicy. August.

**Champion.** An extremely large, handsome, early variety, creamy white with red cheek, sweet, rich and very juicy. A favorite between-meals type. August.

**Chinese Cling.** White, shaded red, fine quality. A favorite variety in the South. August.

**Crosby.** One of the hardiest; abundant, medium, bright yellow, fine quality. Middle September.

**Early Crawford.** A magnificent large yellow peach of good quality. Early September.

**Early Elberta.** Ripens about a week earlier than Elberta; otherwise the same, or a trifle better. September.

**Elberta.** Large oval, yellow with red cheek; flesh yellow, firm, juicy, of high quality. Exceedingly prolific, sure bearer and hardy. The leading market variety in every peach section of the country. Average ripening date here September 15.

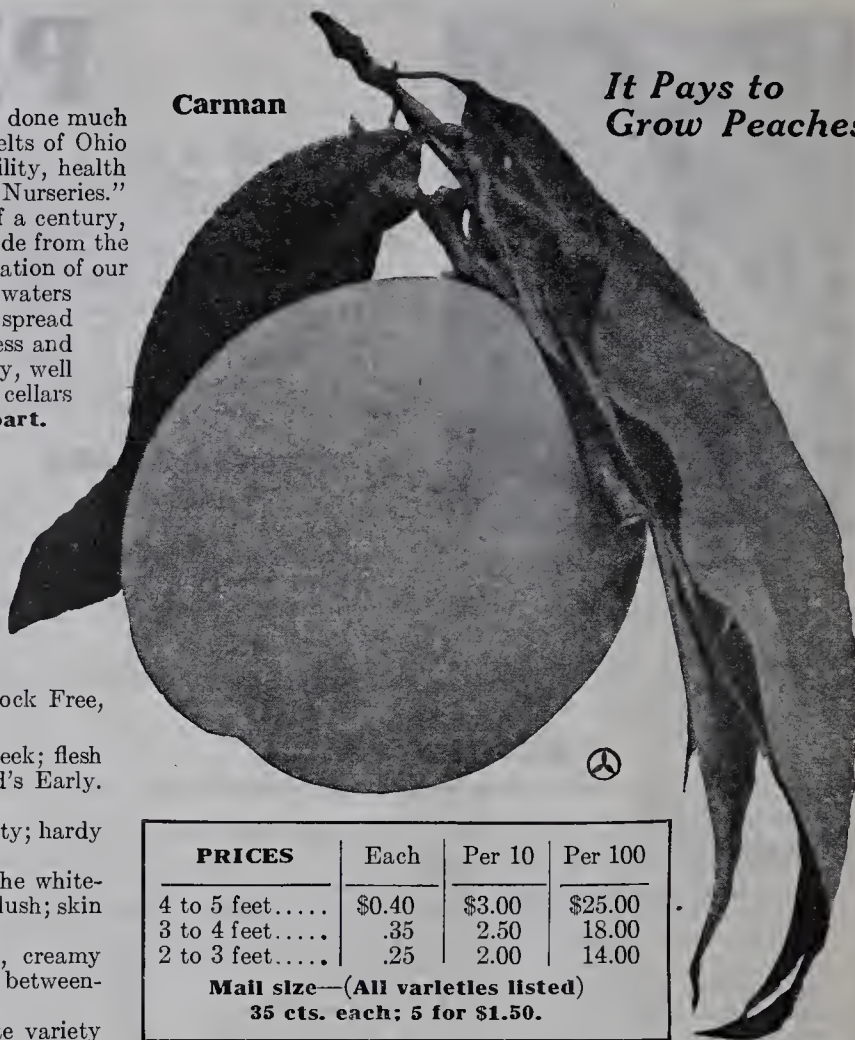
**Engle.** Large, yellow; resembles Late Crawford, but is more productive, bears earlier and younger. September.

**Fitzgerald.** Fruit large; bright yellow, suffused with red; flesh deep yellow, best quality. September.

**Gold Drop.** Medium size, hardy, very productive, refreshing quality,

Carman

*It Pays to  
Grow Peaches*



PRICES	Each	Per 10	Per 100
4 to 5 feet.....	\$0.40	\$3.00	\$25.00
3 to 4 feet.....	.35	2.50	18.00
2 to 3 feet.....	.25	2.00	14.00
Mail size—(All varieties listed) 35 cts. each; 5 for \$1.50.			

early bearer. A beautiful transparent golden skin and flesh. Last September.

**Greensboro.** Very early. Flesh white, juicy and good. July.

**Heath (Cling).** Flesh white, juicy and melting. Good keeper and shipper. October.

**J. H. Hale.** A choice variety, globular, averages one-third to one-half larger than Elberta, ripens about five days earlier and is much superior in flavor. Color a beautiful golden yellow, with deep carmine blush; practically free from fuzz. A good shipper, and one of the most popular varieties. September 10.

**Kalamazoo.** A leading market sort. Large, yellow, fine quality. Extra productive and profitable. Early September.

**Lemon Free.** Lemon-shaped and color, large size, immensely productive, of supreme canning quality, usually commanding a higher price than its seasonal rivals.



The J. H. Hale Peach

## S & H Co. "Select Six" Popular Peaches

at a Bargain Price

Early—Medium—Late  
All you need for family use.

**Strong No. 1 (4 to 5-foot) size.**

Champion	Elberta
Rochester	Lemon Free
Early Elberta	Salberta

New List Price \$2.40

The 6 TREES by **\$1.98**  
EXPRESS (Collect) for..



Elberta, as usual

Renew your Peach Orchard with reliable varieties—from our nursery



## PEACHES—Contd.

- Lemon Cling.** Large, pale yellow, dark red cheek, hardy and productive. September.
- Mayflower.** Bright red cheek, the only early peach that is well colored. A strong thrifty grower inclined to overbear. Should always be thinned. July.
- Mountain Rose.** Large, red, flesh white, juicy, excellent. August.
- Niagara.** A very large, yellow peach, ripening between Crawford and Elberta; surpassing both in size, color, quality and vigor. Early September.
- Prolific.** Large, attractive, firm; flesh yellow, fine flavor, hardy and productive. September.
- Rochester.** The fruit is large, yellow, sweet, juicy and of delicious flavor; keeping and shipping well; skin prettily blushed and mottled. Tree is strong growing and hardy, an annual and prolific cropper, ripening about August 10. (See Color page G.)
- Salberta.** A highly successful cross between Salwey and Elberta, richly yellow and succulent, conserving the size, quality and productiveness of Elberta for the more profitable later picking due to Salwey's influence.
- St. John.** Nearly as large as Crawford, fully equal in color. Fruit round, showy; one of the earliest yellow peaches. August.
- Salwey.** Large, creamy yellow, crimson, red cheek, flesh deep yellow, juicy, rich, sweet. October.
- Shippers' Late Red.** A new peach of good round bulky shape, beautifully surfaced with red. The flesh is yellow, sweet, juicy and of pleasing flavor; freestone. Bears young, annually and abundantly; the tree being very hardy. Its greatest commercial advantage—aside from supreme quality—lies in its ability to stick on the tree so much longer than most sorts, thus many times saving the entire crop where lack of time, continued rains or glutted markets create wastage. Sept.-Oct.
- South Haven.** Another successful introduction better than average size, globular, prolific, with dependably recurring crops. Its meat is yellow, juicy



South Haven Peach

and deliciously sweet; the showy exterior an attractive ripe yellow with one red blotch. September 1.

**Wilma.** The fruit is large as Elberta, its parent, but not quite so elongated; color very much better and ripens about ten days later. September 25.

# PLUMS

## For Fruit and Ornament A Spring Enjoyment, An Autumn Profit

Plum trees are the best kind to set out in chicken yards; their full, rounded form furnishing abundant shade for the fowls, while the chickens obligingly eat up the brood of insects which threaten the health of the tree. Set trees 16 to 20 feet apart.

PRICE OF PLUMS	Each	Per 10	Per 100
<b>All Varieties</b>			
5 to 7 feet.....	\$0.65	\$5.00	\$35.00
4 to 5 feet.....	.55	4.00	30.00
No Mail Size Plums this year.			

## NATIVE PLUM

**Wild Goose.** A very hardy and reliable native variety, particularly valued because in some rigorous climates, none but the native type will survive. It bears delightfully juicy and sweet fruit in July; medium size, red with blue bloom.



Monarch Plums

## EUROPEAN PLUMS

- Archduke.** Large, black, prolific. Early October.
- Bavay** (Green Gage) ("Reine Claude"). Very large, greenish color, fine flavor. Most popular "green gage." September.
- Bradshaw.** Large, dark red, flesh green, juicy, productive, fine for market. August.
- Diamond.** Enormous size, dark purple with a beautiful bloom. September.
- German Prune.** Large, dark purple, sweet, good. One of the most desirable and popular for canning. September.
- Grand Duke.** Color of Bradshaw; fruit very large, of fine quality, free from rot; very productive. Last September.
- Imperial Epineuse.** A French plum introduced here from the West where it is heavily planted. Tree is large spreading, vigorous, hardy and productive. Fruit is unsurpassed in quality by any other plum; flesh greenish yellow, fibrous, tender, sweet, of deliciously agreeable flavor; of pleasing appearance—large, obovate, colored a mottled purplish red, darker on the sunny side, over-spread by a thick bloom. Early October.
- Imperial Gage.** Large pale green, juicy, sweet, rich and excellent. August.
- Italian Prune.** Good size, purple, juicy, delicious, fine for drying. September.
- Lombard.** Medium, violet red, juicy, good, hardy and productive, the leading market variety. August.
- Monarch.** Tree robust, an abundant bearer. Fruit very large, oval, dark purplish blue, perfect freestone. October.
- Moore's Arctic.** Small, purplish black, juicy, sweet; immense bearer; one of the hardiest in bud and bloom. September.
- Peter's Yellow Gage.** Large oval, bright yellow; rich, juicy, fine quality. A good grower. September.
- Shipper's Pride.** Large, dark purple; very showy, often measuring 2 inches in diameter; fine, juicy and sweet. September.
- Shropshire.** Medium, dark purple, very productive. October.
- Tragedy.** What a name for a good plum! Probably inspired by regret for its short early season and restricted shipping area. Tragedy is an extra good dessert plum—flesh soft, sweet, tender and juicy; of the rounded form, convenient medium size, and rich purple color, attractive for eating from the hand. Early September.
- Yellow Egg.** Very large, egg-shape, productive. August.

## JAPANESE PLUMS

- Strong, quick-growing and adapted to all kinds of soils; seldom affected by black knot; extra hardy, comparatively early and sure croppers.
- Abundance** (Botan). Hardy and productive. Fruit large, pinkish red, with heavy bloom; good quality. August.
- Burbank.** Tree hardy, sprawling, vigorous, productive, bears young. Fruit large, excellent quality; cherry red with lilac bloom. Late August.
- Red June.** One of the vigorous, upright growers; productive; fair size, vermilion red; pleasant quality. August.
- Wickson.** Fruit large, long heart-shaped, deep maroon red with white bloom; flesh firm and meaty, yellow, rich and aromatic; cling; pit small. September.



# CHERRIES

*A Fruit That Makes Profits for Growers*

PRICE OF CHERRIES		Each	Per 10	Per 100
<b>Sour,</b>	4 to 5 feet.....	\$0.65	\$5.00	\$35.00
"	3 to 4 feet.....	.55	4.00	30.00
<b>Sweet,</b>	5 to 7 feet.....	.70	5.50	40.00
"	4 to 5 feet.....	.60	4.50	35.00
<b>Mail Size,</b>		{ Sour—50 cts.; 3 for \$1.25.		
All varieties listed		{ Sweet—60 cts.; 3 for \$1.50.		



Large Montmorency Cherries



Napoleon

A GOOD Cherry Orchard is one of the most profitable ventures a farmer can undertake. With but little care, the trees are very thrifty and prolific, bearing large crops annually.

The compact shapeliness of Cherry trees, their glossy foliage, and spring glory of clustered blossoms, gives them ornamental value even in the lawn.

The trees are naturally hardy, succeeding best on sandy or gravelly loam, well drained. Avoid low or wet ground. Sweet varieties grow more rapidly and make larger pyramidal trees. Set trees 18 to 20 feet apart. The Sour varieties are dwarf and bushy; bear earlier, and are more largely planted. Set trees 15 to 18 feet apart.



**S & H CO. CHERRY TRIO**

- ✓ **Early Richmond**  
—Early, Sour
- ✓ **Hortense**  
—Med., Neutral
- ✓ **Lambert**  
—Late, Sweet

**All 4 to 5 Feet**  
**New List Value \$1.90**

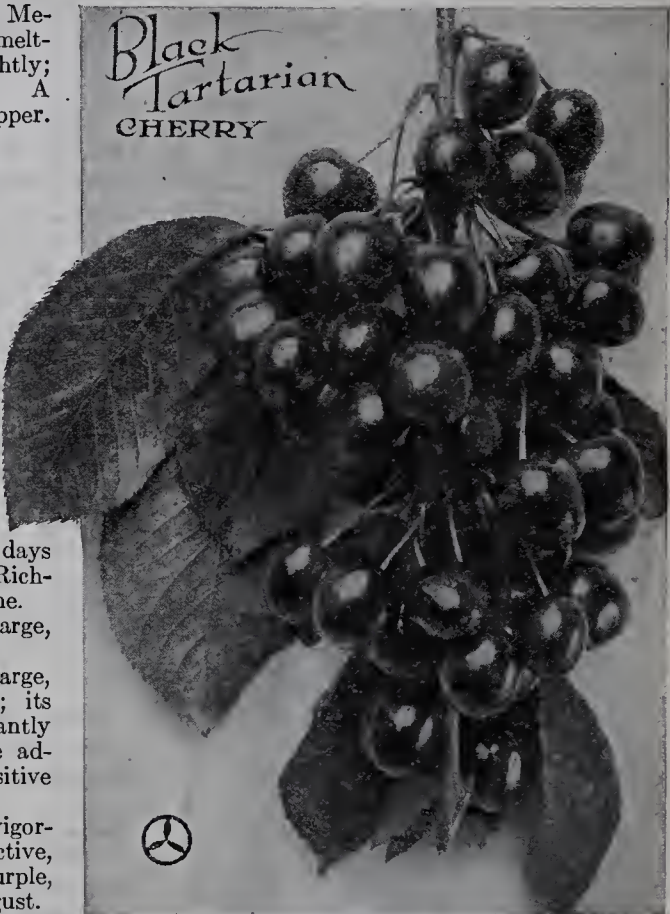
**The 3 TREES by Express [Collect] for \$1.56**

## SWEET CHERRIES

- Bing.** Very large, dark brown—almost black; flesh firm, sweet, rich and delicious. One of the most profitable. July.
- Black Tartarian.** Very large, black, juicy, rich. June.
- Gov. Wood.** Large, light red, juicy, rich, delicious. Tree healthy and productive. June.
- Lambert.** Jet black when fully ripe. Flesh firm, solid, rich and juicy. Tree rugged, strong grower, hardy, enormous bearer. Late July.
- Napoleon.** Large, pale yellow with at least one red cheek; firm, juicy, sweet and productive. July.
- Schmidt.** Immense size, deep black, flesh dark, tender, very juicy, fine flavor; productive. July.
- Windsor.** Fruit large, liver-colored, distinct; flesh remarkably firm and of fine quality. Tree hardy and prolific. A valuable late variety. July.
- Yellow Spanish.** Large, yellow with red blush. June.

## SOUR CHERRIES

- Early Richmond.** Medium, dark red, melting, juicy, sprightly; rich acid, best. A dependable cropper. June.
- English Morello.** Fair size, blackish red, rich acid, juicy, good. August.
- Hortense (Reine Hortense).** Large, bright red, juicy, mildest and sweetest in this class. July.
- Large Montmorency.** Large, red, productive, ten days later than Early Richmond. Late June.
- Late Duke.** Large, light red. July.
- May Duke.** Large, red, juicy, rich; its acidity pleasantly tempered to the advantage of sensitive teeth. June.
- Wragg.** Hardy, vigorous and productive, medium, dark purple, fine quality. August.



**S & H Special Fruit Tree Offer** See Color Page C

Cherry pie—with the fruit fresh from your own cherry trees. Plant now



# APRICOTS

Ripen between Cherries and Peaches. As hardy as the Peach, should be planted on a northern or western exposure to prevent early blooming; giving the same treatment for curculio as the Plum. Set trees 16 to 18 feet apart.

PRICE OF APRICOTS		Each	Per 10	Mail Size	
General List—4 to 5 feet . . .		\$0.75	\$6.50	50 cts. each;	
" " —3 to 4 feet . . .		.60	4.50	3 for \$1.25.	

## European Varieties

- Early Golden.** Small, pale orange, juicy and sweet.
- Hungarla's Best.** Original tree of this has not failed in bearing throughout a long term of years, thus insuring us of its hardiness. Valuable to us of the North, who appreciate growing our own Apricots. Tree grows to immense size, the fruit large and of good quality, beautifully colored a deep yellow, with yellow flesh, very fine flavor. Plant trees 25 to 30 feet apart.
- Moorpark.** Yellow, with red cheek, juicy, sweet and rich, freestone.

## Russian Varieties

- These are quite distinct from the European varieties, hardier and will produce fruit when other apricots fail. Recommended where peaches cannot be grown.
- Alexander.** Prolific early freestone; orange with red blush.
- Superb.** Hardier; and surer crop. The best flavored, most productive hardy Russian apricot yet produced. Medium size, light salmon color.

# MULBERRIES

**Downing.** Very large, black, handsome, sweet, rich, and of excellent quality.



New American Mulberry

**New American.** Equal to Downing in all respects, and a much hardier tree. Vigorous grower, very productive; the best variety for fruit; ripe from middle June to Sept.

**Russian.** Very hardy vigorous grower; valuable for feeding silk worms, etc. Fruit small, varies in color from white to black.

**Russian—**  
5 to 6 feet—60 cts. each.  
4 to 5 feet—50 cts. each.

**New American and Downing—**  
4 to 5 feet—85 cts. each.  
3 to 4 feet—75 cts. each.

## How to Prune Fruit Trees



For the home orchard, the trees should be gone over once each season and where limbs are crowding, they should be thinned out enough so that they do not rub or interfere one with the other. Best results are usually obtained when this is done in late winter or early spring. All cuts should be made smooth with the shoulder which extends slightly out from the body. Do not leave any stubs, but cut close up to the shoulder. Wounds of an inch or more across should be covered with White Lead paint or good pruning compound. Do not use barn paint or any coal-tar paint.

Do not trim lower limbs off to make high headed trees. Low, compact heads stand the windy conditions of the Central West better than high-open-topped trees. Just use common sense in thinning out the limbs, cutting out the most undesirable, where two limbs are interfering one with another. Heavy later pruning can be avoided if care is taken the first two seasons after planting, to see that the heads are properly formed. It is important to get the right frame limbs for the tree right at the start. If this is properly done less later pruning will be required.



Hungarla's Best Apricot

# NECTARINES

The Nectarine has size and a smooth skin like the plum, and requires the same treatment for curculio. It is like the peach in other ways and requires the same culture. The melting, juicy, texture of the nectarine and its delicious flavor, furnishes one of the most delightful fruit eating episodes of the early Autumn.

4 to 5 feet—60 cts. each; \$5.00 per 10.  
3 to 4 feet—45 cts. each; \$3.50 per 10.

**Boston.** Bright yellow, red cheek; flesh yellow.

**Red Roman.** Greenish yellow, red cheek; flesh golden.

# QUINCES

The Quince crop is usually reliable and not often destroyed by capricious weather variations. The fruits are highly regarded for preserving, for jelly, and above all for that delectable, golden composition, "Quince Honey." Both fruit and flowers are quite fragrant, and the trees and bloom highly ornamental.

PRICE OF QUINCES		Each	Per 10	Per 100
4 to 5 feet . . . . .		\$0.70	\$5.00	\$40.00
3 to 4 feet . . . . .		.60	4.50	30.00
Mail Size—All varieties—60 cts.; 3 for \$1.50.				

**Champlon.** A prolific, very young and constant bearer, fruit averaging larger than the Orange, more oval in shape; quality equally fine, and a long keeper. Ripens late.



Orange Quince

**Meech.** A vigorous grower and immensely productive. The fruit is large, lively orange yellow, of great beauty and delightful fragrance; its cooking qualities are unsurpassed.

**Orange.** Fruit large, bright yellow, of excellent flavor. Oct.

**Rea.** A seedling of the Orange, averaging much larger, of the same form and color; productive.



# NUT TREES

Almost every farm contains land that should be planted to nut trees. Nuts in many cases pay better than farm crops or fruits, while most kinds are making a growth of valuable timber that will of itself pay a large per cent on the investment. The highly ornamental feature of Nut trees should not be overlooked.

PRICE OF NUT TREES	Each	Per 10
Butternut, 3 to 4 feet.....	\$ 0.75	
Filbert, American, 2 to 3 feet.....	.75	\$6 50
“ “ 3 to 4 feet.....	1.00	9 00
“ English, 2 to 3 feet.....	.60	5 00
“ “ 3 to 4 feet.....	.80	7 00
“ “ 4 to 5 feet.....	1.00	9 00
Hickory, Shell Bark, 2 to 3 feet.....	1.00	
Walnut, Black, 3 to 4 feet.....	.75	6 50
“ Japan-Sieboldi, 3 to 4 feet.....	.65	6 00
“ “ “ 4 to 6 feet.....	1.00	9 00
“ “ “ 6 to 8 feet.....	1.50	14 00
“ English, 2 to 3 feet.....	1.00	9 00
“ “ 3 to 4 feet.....	1.40	13 00

## FILBERTS

**American.** The common Hazelnut. Will grow in almost any location, but prefers a rather moist soil, such as can be found along streams. Nuts are tender and of fine flavor.

**English.** Of easiest culture, growing 6 to 8 feet high, entirely hardy, and one of the most profitable and satisfactory nuts to grow, succeeding on almost all soils, bearing early and abundantly; nuts nearly round, rich and of excellent flavor, admired for the dessert.

## SHELL BARK HICKORY

To our taste no other nut that grows, either foreign or native, is superior to this in quality; it possesses a peculiar rich nutty flavor excelled by none. The tree is of sturdy, lofty growth. The wood, on account of its great strength and elasticity, is highly prized for making agricultural implements, and is unsurpassed for fuel.

## WALNUTS

**Black.** A native tree of large size and majestic form, beautiful foliage. The most valuable of all trees for its timber, which enters largely into the manufacture of fine furniture and cabinet ware, and brings the highest price in market.

**Butternut (or White Walnut).** Native tree, producing a large nut. Has a sweet, oily nutritious kernel.

**English.** Where hardy, it produces immense crops of thin-shelled delicious nuts, which are always in demand at good prices; fruit in green state is highly esteemed for pickling. Will not grow in the North.

**Japan, Sieboldi.** Perfectly hardy, rapid grower, handsome form, immense leaves; bears young and abundantly. Nuts produced in clusters; resembles Butternut in shape and quality, smaller; smooth and thinner shell.

# S&H THRIFTY



Catawba  
Grapes

## Easy to Grow—Yearly Crops

**E**VEN under unfavorable conditions the grape vine will bear fruit, but good culture, pruning and spraying should be applied if the best quality of fruit is desired. Along almost any garden fence or walk there is room for vines enough to furnish luscious grapes from July to November. In such situations they may be planted about 8 feet apart. In vineyard rows, set the vines 6 to 10 feet apart, with 8 feet between rows.

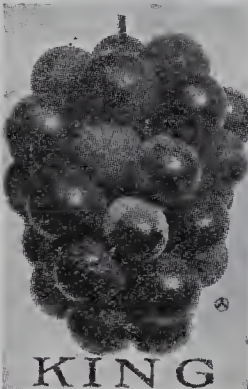
## 19 CHOICE VARIETIES

Described on Next Page

**Culture of Small Fruits.** Bramble fruits like blackberries, raspberries, dewberries, etc., should have all old wood (older than the previous season's growth) cut out close to the ground each spring and the past season's growth should be trimmed back to 3 or 4 feet in height. All of the old canes should be removed and should be burned. Mulching of currants and gooseberries will give good results. A strawberry bed should have a light coating two inches deep of coarse hay, or straw that is free from weed seed, after the ground has just frozen; and in the spring just about the time growth starts, this covering should be raked between the rows and allowed to remain there until the fruit has been harvested. Then it should be removed and cultivation be resumed.



CACO



KING



DELAWARE



NIAGARA



WORDEN

Grape Vines take up no more room than a fence. Every garden background has room for grapes



# GRAPE VINES

## BLACK GRAPES

**Campbell.** Bunch and berry large, glossy black, with blue bloom, sweet and juicy, seeds few and small, part readily from the pulp; very early.

**Concord.** The standard black, succeeds wherever grapes will grow.

**Ives.** Bunch medium to large, compact; often shouldered, berries medium.

**King.** Ripening between Worden and Concord, is as hardy, same color, grape much larger, cluster larger and more compact. The pulp is more tender, flavor more sprightly, seeds fewer.

**Moore.** Bunch large, berry large round with heavy bloom, vine exceedingly hardy; universally desirable for earliness.

**Worden.** A splendid Concord type; larger, better quality and earlier. Vine vigorous; hardy and productive.

## RED or AMBER GRAPES

**Agawam.** Berries very large, with thick skin; pulp soft, sweet and sprightly; very vigorous, ripens early.

**Brighton.** Bunch large, berries above medium; round; excellent flavor and quality; one of the earliest.

PRICES OF GRAPE VINES	By Mail	By Express or Freight			
	Each	Each	10	100	1000
Agawam, 1 year.....	\$0.25	\$0.20	\$1.25	\$ 9.00	.....
" 2 years.....	.30	.25	1.75	12.00	.....
Brighton, 1 year.....	.30	.25	1.75	10.00	.....
" 2 years.....	.35	.30	2.25	15.00	.....
Caco, 1 year.....	.45	.40	3.00	25.00	.....
" 2 years.....	.55	.50	4.00	35.00	.....
Campbell, 1 year.....	.30	.25	1.75	10.00	.....
" 2 years.....	.35	.30	2.25	15.00	.....
Catawba, 1 year.....	.25	.20	1.25	9.00	\$65.00
" 2 years.....	.30	.25	1.75	12.00	85.00
Concord, 1 year.....	.25	.20	1.00	7.00	45.00
" 2 years.....	.30	.25	1.50	9.00	65.00
Delaware, 1 year.....	.30	.25	1.75	10.00	.....
" 2 years.....	.35	.30	2.25	15.00	.....
Diamond, 1 year.....	.25	.20	1.25	9.00	.....
" 2 years.....	.30	.25	1.75	12.00	.....
Green Mt., 1 year.....	.30	.25	1.75	12.00	.....
" " 2 years.....	.35	.30	2.25	16.00	.....
Ives, 1 year.....	.25	.20	1.25	9.00	.....
" 2 years.....	.30	.25	1.75	12.00	.....
King, 1 year.....	.40	.35	2.50	20.00	.....
" 2 years.....	.50	.45	3.50	30.00	.....
Lucile, 1 year.....	.25	.20	1.25	9.00	.....
" 2 years.....	.30	.25	1.75	13.00	.....
Moore's Early, 1 year.....	.25	.20	1.25	9.00	.....
" " 2 years.....	.30	.25	1.75	12.00	.....
Niagara, 1 year.....	.25	.20	1.00	8.00	55.00
" 2 years.....	.30	.25	1.50	11.00	80.00
Pocklington, 1 year.....	.25	.20	1.25	9.00	.....
" 2 years.....	.30	.25	1.75	12.00	.....
Portland, 1 year.....	.45	.40	3.00	25.00	.....
" 2 years.....	.55	.50	4.00	35.00	.....
Salem, 1 year.....	.25	.20	1.25	9.00	.....
" 2 years.....	.30	.25	1.75	12.00	.....
Worden, 1 year.....	.25	.20	1.25	8.00	55.00
" 2 years.....	.30	.25	1.75	11.00	75.00
Wyoming, 1 year.....	.25	.20	1.25	9.00	.....
" 2 years.....	.30	.25	1.75	12.00	.....

## Red or Amber Grapes—Continued.

**Caco.** The vines are strong and vigorous, as yet untouched by disease of any kind. The fruit is very large in handsome complete bunches; in color a rich wine red over amber. Exceptionally early bearing, usually showing several good-sized bunches the second year. Its flavor is luscious, sweet, delightful, distinctive.

**Catawba.** Berries large, round; when fully ripe of a dark copper color, with sweet, rich musky flavor; late.

**Delaware.** Bunches and berries are small, but compactly set, light red, with violet bloom; sugary and delicious. A favorite dessert grape; one of the earliest to ripen.

**Lucile.** A beautiful bright color, berry and bunch of good size; extremely prolific; in season with or before Worden. The vine growth is prodigious, clean and immune. Fruit flavor is foxy and peculiar, but sweet even before fully ripe.

**Salem (Rogers' No. 53).** A strong, vigorous vine; berries large, Catawba color; thin skin, free from hard pulp; sweet and sprightly; ripens first of September.

**Wyoming.** Vine very hardy, healthy and robust, with thick leathery foliage; color of berry brighter than Delaware, double in size, ripens before; flesh tender, juicy, sweet.

## WHITE GRAPES

**Diamond.** The leading early white grape, ripening slightly before Niagara, between Worden and Concord. White, with rich yellow tinge, juicy; few seeds, almost free from pulp, excellent quality; above medium size, adheres firmly to stem.

**Green Mountain.** (Winchell). An extra early variety from Vermont. Skin thin, pulp tender and sweet, quality superb. Bunch and berry medium size. Vine hardy, vigorous and productive.

**Niagara.** The standard white grape, occupying the same position among the white varieties as Concord among the black. Bunch and berries larger, greenish white changing to pale yellow when fully ripe. Skin thin but tough; a rampant grower, good for arbors.

### Pocklington.

Beautiful golden color when ripe, enhancing the delight of its luscious sweetness and individual flavor. Ripens late and keeps well. It is juicy and tender, with very little pulp.

### Portland.

A recently introduced white Grape from New York showing many desirable qualities. It is claimed to be the earliest Grape of any color.



Concord

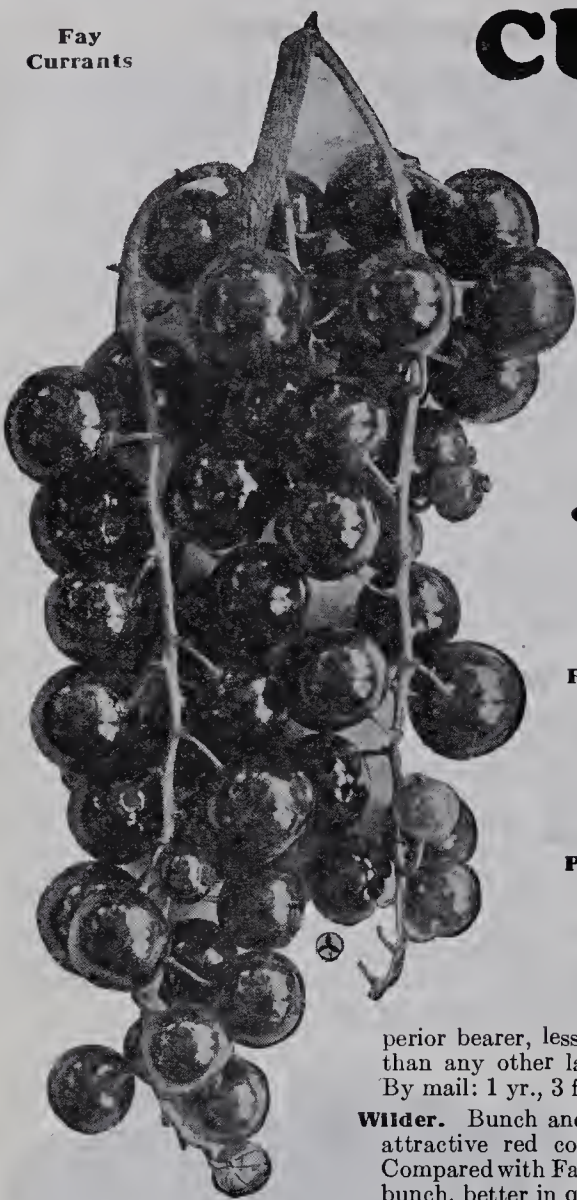
## S. & H. FAMILY GRAPE COLLECTION

2 Years—Cut Back for Planting Value \$3.10

- 3 Concord.....black
- 2 Worden.....black
- 3 Niagara.....white
- 2 Brighton.....red

The 10 by pre-paid parcel post for..... **\$2.40**





Fay  
Currants

# CURRANTS

Hardy, easily cultivated, standing neglect well, and liberally responding to cultivation and generous treatment, indispensable for table use, jellies, etc.; and large quantities for market.

Set 4 feet apart in rich ground; cultivate well or mulch heavily; prune out old wood so that each remaining shoot will have room. For the currant worm, dust with hellebore.

## RED CURRANTS

**Cherry.** Large berries on short clusters; a robust, fruitful sort. The vigorous, stocky bushes produce great quantities of bright red fruit with thin skins and remarkably fine flavor.

**Fay.** Of unprecedented popularity, and long the leading market variety over a wide section of country. Extra large stems and berries, uniform in size, easily picked, exceedingly productive.

**Perfection.** A cross between Fay and White Grape, retaining the valuable characteristics of both parents. Beautiful, bright red, holding its large size to end of bunch; easy to pick; a superior bearer, less acid and of better quality than any other large currant in cultivation. By mail: 1 yr., 3 for \$1.00; 10 for \$2.50.

**Wilder.** Bunch and berries very large, bright, attractive red color, even when dead ripe. Compared with Fay, is equal in size, with longer bunch, better in quality, with much less acidity, continues on bush much longer.



White  
Grape  
Currants

## WHITE CURRANTS

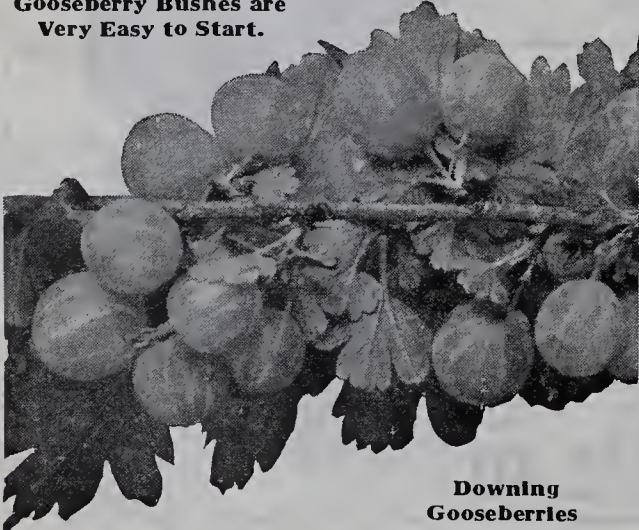
**White Grape.** Very large; yellowish white; very mild acid; excellent quality and valuable for the table.

PRICES OF CURRANTS	Three	Per 10	Per 100
Red—Cherry, 1 year.....	\$0.45	\$1.25	\$ 9.00
“ “ 2 years.....	.60	1.50	12.00
“ Fay, 1 year.....	.45	1.25	9.00
“ “ 2 years.....	.60	1.50	12.00
“ Perfection, 1 year.....	.75	2.00	15.00
“ “ 2 years.....	.90	2.50	20.00
“ Wilder, 1 year.....	.45	1.25	7.00
“ “ 2 years.....	.60	1.50	10.00
White—White Grape, 1 year...	.45	1.25	9.00
“ “ 2 years...	.60	1.50	12.00

Unless stated, 1 yr., by mail, 3 for 70 cts.; 10 for \$1.75

PRICE OF GOOSEBERRIES	Three	Per 10	Per 100
Downing, 1 year.....	\$0.45	\$1.25	\$ 9.00
“ 2 years.....	.60	1.50	12.00
Houghton, 1 year.....	.45	1.25	9.00
“ 2 years.....	.60	1.50	12.00
Both—1 year, Mail....	.70	1.75	.....
Josselyn, 1 year.....	.70	1.75	12.00
“ 2 years.....	.85	2.50	18.00
“ 1 year, Mail...	1.00	2.50	.....

Gooseberry Bushes are  
Very Easy to Start.



Downing  
Gooseberries

# GOOSEBERRIES

Set 3 to 4 feet apart, in good rich soil, and give a liberal dressing of manure every season. Regular pruning every year is essential. To prevent mildew spray bushes soon as leaves appear and several times during the summer with potassium sulphide (liver of sulphur)—one ounce to four gallons of water.

**Downing.** Large, handsome, pale green, of splendid quality for both cooking and table use; bush vigorous and usually free from mildew.

**Houghton.** Small to medium; roundish, oval, pale red, sweet, tender, very good; plants spreading, shoots slender, enormously productive.

**Josselyn.** Extra large, smooth, prolific and hardy, of best quality, reddish in color. The freest from mildew. A wonderful cropper.

See  
Special  
Home  
Orchard  
Offer  
Illustrated on  
Color  
Page G.

## The S. & H. Ideal Raspberry Patch

To occupy a sunny garden plot 20x30 feet.

- ✓ 10 Cumberland
- ✓ 10 Cuthbert
- ✓ 10 Latham
- ✓ 10 St. Regis

The 40 plants by prepaid parcel post for

See page 135 for descriptions



\$2<sup>68</sup>



# RASPBERRIES

**W**ILL do well on any soil that will produce a good corn crop. Land should be thoroughly prepared and well enriched; ground bone is one of the best fertilizers. Keep well cultivated and free from weeds and suckers. As soon as they have done bearing cut out the old wood to give more vigor to the young canes for next year's fruiting. Inasmuch as raspberry appreciation varies radically according to individual tastes—some specially preferring the black ones which others dislike—it is well to provide all types in your family garden. See our "Ideal Raspberry Patch" offer on page 134. Plant rows 5 feet apart, 3 feet apart in the rows.

## RED RASPBERRIES

**Chief.** A new product from Minnesota achieved after 14 years experimenting, with the purpose of replacing the old King by a superior type of Latham breeding. Chief will not rival Latham, but supplements it by ripening 10 days earlier and so holding that wonderful type for picking an extra long season. In fact, Chief fills that deplorable gap for fresh table fruits between Strawberries and the other Raspberries. Bright red, "no crumbling," ships well, tastes delicious, and pays its way with extraordinary crops.

**Columbian.** Fruit very large, purplish color, rather soft; rich, sprightly flavor, unrivaled for canning, etc., immense cropper.

**Cuthbert** ("Queen of the Market"). A remarkably strong, hardy variety; standing the northern winters and southern summers equal to any. Very large, conical berries, measuring three inches around, so firm they can be shipped hundreds of miles by rail in good condition; flavor is sweet, rich and luscious.

**King.** Plant is a strong grower. Berry is firm, a good shipper; large size; beautiful bright scarlet color; ripens with the earliest.



The Latham

Rich and Luscious—(Mosaic-Free)

**Latham.** This remarkable and very desirable new variety is certified absolutely mosaic-free, and acceptable anywhere. Latham is perfectly hardy, withstanding Manitoba winters without protection. Its production is superlative, outyielding even Cuthbert. The berries are large and

round, with profitable shipping firmness. The color is a richly brilliant red, an eye-catcher on market stands, a delightful table feature, and a perfect canned exhibit.

**St. Regis.** (Ranere).

Fruit commences to ripen with the earliest and continuing on young canes until October, many quarts often being picked after the first snow falls. Berries bright crimson, large size, rich, sugary with full raspberry flavor; flesh firm and meaty.

## YELLOW RASPBERRY

**Golden Queen.** A beautiful, large golden yellow berry surpassing Cuthbert in size, beauty, quality and adaptability.



Cumberland

## BLACK RASPBERRIES

**Cumberland.** Healthy, vigorous, throwing up stout, stocky, well-branched canes that produce immense crops. Fruits very profitable; large, firm. Mid-season.

**Plum Farmer.** The most profitable early market sort; maturing the entire crop in a very short period. The berries are large, thick-meated; firm; attractive.

**New Logan.** Of Ohio origin, this new black-cap is gaining much favor among berry growers. Its quality and productiveness are excellent, probably equal to Cumberland, but its paramount value lies in the week or more earlier cropping season.

PRICES OF RASPBERRIES	By Mail		By Express or Freight		
	10	100	10	100	1000
<b>Black—</b>					
Cumberland.....	\$0.80	\$4.00	\$0.60	\$3.50	\$28.00
New Logan.....	.80	4.00	.60	3.50	30.00
Plum Farmer.....	.80	4.00	.60	3.50	28.00
<b>Red—</b>					
Chief.....	1.00	7.00	.80	6.50	50.00
Columbian.....	.90	5.50	.70	5.00	35.00
Cuthbert.....	.80	4.00	.60	3.50	28.00
King.....	.80	4.00	.60	3.50	28.00
Latham.....	.90	5.50	.70	5.00	37.50
St. Regis.....	.80	4.00	.60	3.50	28.00
<b>Yellow—</b>					
Golden Queen.....	.90	5.50	.70	5.00	40.00

## BLACKBERRIES

Should be planted in rows six to seven feet apart, three to five feet in the row. Keep the ground light and rich. Pinch the canes back when they have reached four feet in height. The following varieties are considered best.

**Blowers.** Claimed to be the hardiest and most productive, and to bring on the market the highest price of all blackberries. Large size, jet black, good shipper, best quality; unexcelled productiveness.

**Early Harvest.** Not entirely hardy in the north and needs winter protection. Its earliness, combined with good shipping qualities, make it very profitable. Compact dwarf grower, enormous bearer. Fruit medium size.

**Eldorado.** The vines are vigorous and hardy, enduring the winters of the far north-west without injury, their yield, enormous. Berries large, jet black, borne in large clusters, and ripen well together, they are very sweet, melting and pleasing to the taste; have no hard core, and keep eight or ten days after picking.

**Mersereau.** Remarkably strong grower, upright, producing stout, stocky canes. An enormous producer of extra size berries which are brilliant black and retain their color. Extra quality; sweet, rich, melting, without core.

**Snyder.** Enormously productive, medium sweet, no hard sour core. The leading early variety for hardiness.

**Lucretia Dewberry.** Dwarf and spreading. The fruit, which ripens early, is often one and one-half inches long by one inch in diameter; soft, sweet and luscious throughout. It is a primitive, thrilling delight to turn up a leaf and discover the dead-ripe bottom fruits, hot from the sand. These are more apt to pop into the mouth, than into the basket.

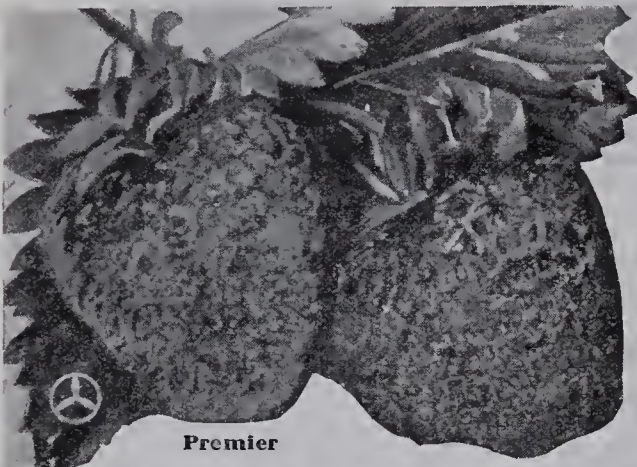
PRICES OF BLACKBERRIES	By Mail		By Express or Frt.		
	10	100	10	100	1000
Blowers.....	\$0.95	\$5.75	\$0.70	\$5.00	\$35.00
Early Harvest....	.95	5.75	.70	5.00	27.50
Eldorado.....	.95	5.75	.70	5.00	35.00
Mersereau.....	.95	5.75	.70	5.00	30.00
Snyder.....	.95	5.75	.70	5.00	35.00
Lucretia Dewberry	.95	5.75	.70	5.00	30.00



The Luscious Blackberry

Fresh berries in season from your own garden—and fresh berry pies!





# STRAWBERRIES

*A small bed in the home garden will yield a generous supply of this delicious fruit*

Strawberries succeed in any soil adapted to farm or garden crops. Soil should be prepared to a good depth, well drained and enriched with vegetable manure (muck, rotten turf, wood soil, ashes, etc.). For field culture set rows 3 to 3½ feet apart, 15 to 18 in. apart in each row; for garden, 15 in. apart each way, pathway every third row. For large fruit, keep in hills, pinching runners off as they appear. Ground should be kept clean and well cultivated. In winter cover with leaves, straw or litter. Do not cover until ground is frozen, nor so as to smother plants. Remove cover before growth starts in spring. Mulching will keep fruit clean and soil in good condition.

**Dip in water as soon as received, and bury roots in moist, shady ground until ready to set out; do not neglect.**

## THE BEST STANDARD STRAWBERRIES

**Blakemore (E.)** Originated and recommended by the U. S. Dept. of Agriculture. Berries bluntly conic, good market size; rarely white-tipped, with solid center, small seeds, firm flesh, tough skin. Excellent flavor, aromatic, acid, with high pectin or gelatinising content. The color is glossy light red developing quite evenly on both upper and lower sides, only slightly changed by holding or canning—a remarkable superiority added to all other choice preserving qualities. The vines are extra vigorous, productive, preferring the heavier types of soil. Fruit easier to pick and hull than most varieties, holding up perfectly against shipping and canning conditions.

**Gibson (M.)** Strong grower with long roots and abundant foliage, exceedingly productive. Berries extra large, choice flavored, dark glossy red clear through; follows Premier.

**Glen Mary (LM).** Berries large to very large, often flattened, bright deep red on surface, light red to center, sweet, rich, good flavor.

**Premier (E).** Of smooth, evenly conical form, and large; its color the commanding glossy red which sells on sight, aided artistically by the calyx or cap which remains green after picking. Quality unsurpassed; production greatest of all earlies; plant growth vigorous, healthy and strongly reproductive.

**Sample (Imperfect) (L).** A standard late sort for both home and market. Large dark-colored berries in profusion, of uniform size. Should be planted with a "perfect" companion; never alone.

**Wm. Belt (M).** Vigorous, thrifty, heavy plant, producing large crops under good common matted row culture. Berries extra large, conical, quite uniform in shape, brilliant glossy red.

## EVERBEARING STRAWBERRIES

"Everbearing Strawberries" yield fruit continuously from May or June until frost. They are practical croppers, and, coming out of ordinary season, bring very profitable prices for market. CAUTION: To obtain the largest size and finest quality of fruit in the fall, keep flowers picked off until about the first of July.

**Mastodon.** According to many reports gathered from all berry-growing sections of the country, Mastodon is the last word and outranks all predecessors. It is of immense size, an almost incredible cropper, of choice quality, and the strongest grower yet developed. More productive than most June bearers, its fall pickings are sufficient from but a few plants, and very profitable.



PRICES OF STRAWBERRIES	25	100	1000
Everbearing—Mastodon.....	\$0.90	\$2.75	\$18.00
Standard Varieties.....	.65	1.25	9.00
" Blakemore.....	.75	1.50	10.00

*If ordered by Mail postpaid, add 20c for 25 plants; 35c for 100.*

# ASPARAGUS



Nothing that comes out of the home garden is so much appreciated, so health-correcting or so nutritious, as the luscious tips and tender stalks of asparagus. A day on the stands means depreciation in flavor and tenderness—a strong argument for growing your own, to cut just before cooking. A new bed of 100 roots will provide ample supply for an average family. Plant this spring; cut next spring (sparingly) over a two week's period. The following spring will prolong the season; and the third year you can give away surplus throughout the six to eight weeks' season. In cutting, be sure to cut the spears slightly below ground level!

**PLANTING.** Enrich the soil; dig a trench about 10 inches wide by 10 inches deep at sides, sloping a 6 inch ridge at center. Strew raw bonemeal and fine soil at bottom; straddle asparagus roots along the ridge at 12 to 18 inch intervals; then cover with about 2 inches of tamped soil, repeating as growth progresses, until the trench is level full.

PRICES OF ASPARAGUS	50	100	1000
1 Year Roots (best to plant):			
By Express.....	\$1.00	\$1.75	\$11.00
By Mail.....	1.35	2.25	.....

## Pedigreed Washington.

The government worked hard for 16 years to conquer the "rust" which had so seriously infected existing varieties; giving us finally several "Washington" varieties which are not only rust-proof, but also great improvements for size and quality. This variety throws up long, thick, straight shoots of dark green, with a purplish overtone at the tips which hold tightly firm until well clear of the ground.

## Mary Washington.

Same family and character, equally rust-resistant, but somewhat earlier and larger, with stalks inclined to oval shape.

## RHUBARB "Pie Plant"

Every family garden should support ten or more clumps of Rhubarb; in heavily manured soil. Unfailing crops for many years to provide pies, fresh sauce, a canning supply, and cordial.

PRICES:	3	10	100
By Express...	\$0.50	\$1.50	\$7.00
By Mail.....	.75	2.00	.....

**Linnaeus.** Large, early, tender and fine. The old reliable pie kind. Can the surplus for winter use; it comes in mighty handy for pies of summer freshness, and for sauce.

**Giant Victoria.** Long, thick, brittle stalks surcharged with juices of refreshing flavor; the pink to carmine color highly attractive in dessert dishes.



McINTOSH  
APPLE

LARGE MONTMORENCY CHERRY

## SPECIAL FRUIT TREE OFFER

1 McIntosh Apple, 5 to 7 ft.  
1 Rochester Peach, 4 to 5 ft.  
1 Large Montmorency Cherry, 4 to 5 ft.  
1 Bartlett Std. Pear, 5 to 7 ft.

The 4 **\$195**  
Trees

By Express Not Prepaid

New Catalog Value, \$2.30

## SUPERIOR VEGETABLE SEEDS

*Illustrated on this page*

Unrivalled Wax Beans  
Detroit Dark Red Beets  
Creamy Heart Lettuce  
Hailstone Radishes

One Pkt. of each,  
Value 40c

SPECIAL The 4 Pkts. Postpaid

**25¢**

ROCHESTER  
PEACH

BARTLETT  
PEAR

UNRIVALED  
WAX BEAN

DETROIT  
DARK RED BEET

HAILSTONE  
RADISH

CREAMY HEART  
LETTUCE



Flowers of  
Red Flowered  
Dogwood



KOSTERS BLUE SPRUCE



RED FLOWERED  
DOGWOOD

## Sacrifice Sale

We want our customers to have and enjoy these unusual and beautiful trees which everyone admires, so we are slashing the price to bring them within the reach of all. The usual listed price is far greater than our low priced collection offer. Order now while the price is low.

Red Flowered Dogwood  
2 to 3 ft. . . . . price \$2.00

Red Japanese Maple  
15 to 18 in. . . . . price \$2.50

Japanese Weeping Cherry  
1-yr. head. . . . . price \$3.50

Kosters Blue Spruce  
15 to 18 in. . . . . price \$5.00

The 4 Trees **\$9<sup>75</sup>**  
for only



JAPANESE WEEPING CHERRY



RED JAPANESE MAPLE

THE STORRS & HARRISON CO.  
PAINESVILLE, OHIO.